

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077984.D
 Acq On : 31 May 2023 10:20
 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 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 01:47:59 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	8.236	168	364209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	655121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	586257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	250089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	266514	48.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.177	113	227461	53.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.480%		
50) Toluene-d8	10.571	98	814072	49.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.853	95	283938	48.893	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	173129	41.769	ug/l	98
3) Chloromethane	2.371	50	192278	43.520	ug/l	99
4) Vinyl Chloride	2.524	62	248288	47.511	ug/l	98
5) Bromomethane	2.948	94	190459	49.278	ug/l	98
6) Chloroethane	3.118	64	183957	48.845	ug/l	100
7) Trichlorofluoromethane	3.501	101	354787	48.715	ug/l	99
8) Diethyl Ether	3.971	74	131761	49.557	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	194874	48.351	ug/l	99
10) Methyl Iodide	4.595	142	274344	57.076	ug/l	98
11) Tert butyl alcohol	5.530	59	183598	244.119	ug/l	99
12) 1,1-Dichloroethene	4.348	96	188786	49.283	ug/l	92
13) Acrolein	4.183	56	87609	179.097	ug/l	95
14) Allyl chloride	5.036	41	257167	45.699	ug/l	93
15) Acrylonitrile	5.730	53	498605	248.151	ug/l	98
16) Acetone	4.436	43	409167	238.653	ug/l	96
17) Carbon Disulfide	4.718	76	456769	44.254	ug/l	98
18) Methyl Acetate	5.030	43	362277	50.368	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	721837	52.060	ug/l	100
20) Methylene Chloride	5.283	84	239214	53.754	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	213920	49.714	ug/l	89
22) Diisopropyl ether	6.683	45	672916	51.016	ug/l	95
23) Vinyl Acetate	6.612	43	2055999	251.577	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	416898	51.590	ug/l	98
25) 2-Butanone	7.494	43	640576	238.845	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	346815	50.516	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	269287	52.193	ug/l	93
28) Bromochloromethane	7.824	49	182573	52.241	ug/l	90
29) Tetrahydrofuran	7.847	42	423194	240.980	ug/l #	83
30) Chloroform	7.971	83	454965	51.181	ug/l	96
31) Cyclohexane	8.265	56	331887	44.810	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	395555	52.338	ug/l	96
36) 1,1-Dichloropropene	8.377	75	326243	52.212	ug/l	96
37) Ethyl Acetate	7.565	43	266439	47.841	ug/l #	95
38) Carbon Tetrachloride	8.371	117	347297	55.043	ug/l	99
39) Methylcyclohexane	9.606	83	356541	46.609	ug/l	90
40) Benzene	8.612	78	986880	53.522	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	142752	48.130	ug/l	95
42) 1,2-Dichloroethane	8.677	62	352213	52.584	ug/l	98
43) Isopropyl Acetate	8.694	43	463757	50.980	ug/l	95
44) Trichloroethene	9.359	130	251725	53.915	ug/l	96
45) 1,2-Dichloropropane	9.630	63	254376	54.085	ug/l	97
46) Dibromomethane	9.712	93	180056	53.501	ug/l	96
47) Bromodichloromethane	9.894	83	365157	56.673	ug/l	96
48) Methyl methacrylate	9.688	41	217256	50.373	ug/l	89
49) 1,4-Dioxane	9.700	88	93263	1144.884	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1398198	258.578	ug/l	93
52) Toluene	10.635	92	627176	54.636	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	380161	55.716	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	416367	55.374	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	251523	55.184	ug/l	96
56) Ethyl methacrylate	10.882	69	369969	53.685	ug/l	90
57) 1,3-Dichloropropane	11.171	76	421482	53.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	727221	214.496	ug/l	92
59) 2-Hexanone	11.200	43	985514	246.407	ug/l	92
60) Dibromochloromethane	11.365	129	280755	59.667	ug/l	98
61) 1,2-Dibromoethane	11.477	107	259537	57.078	ug/l	96
64) Tetrachloroethene	11.112	164	237567	57.946	ug/l	97
65) Chlorobenzene	11.900	112	678871	53.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	256819	58.400	ug/l	99
67) Ethyl Benzene	11.971	91	1223010	53.698	ug/l	99
68) m/p-Xylenes	12.077	106	935255	108.373	ug/l	98
69) o-Xylene	12.406	106	457963	53.960	ug/l	97
70) Styrene	12.418	104	745241	55.275	ug/l	98
71) Bromoform	12.582	173	175640	60.039	ug/l #	100
73) Isopropylbenzene	12.700	105	1182085	54.833	ug/l	99
74) N-amyl acetate	12.500	43	375098	47.073	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	347617	52.415	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	299072m	47.751	ug/l	
77) Bromobenzene	12.988	156	260655	52.983	ug/l	99
78) n-propylbenzene	13.041	91	1369626	53.890	ug/l	100
79) 2-Chlorotoluene	13.135	91	817002	53.872	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	988663	54.566	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	103466	52.806	ug/l	96
82) 4-Chlorotoluene	13.229	91	779499	51.659	ug/l	97
83) tert-Butylbenzene	13.447	119	833773	52.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	982354	55.129	ug/l	99
85) sec-Butylbenzene	13.623	105	1181030	52.539	ug/l	100
86) p-Isopropyltoluene	13.735	119	958314	53.474	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	470503	51.714	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	462262	51.202	ug/l	99
89) n-Butylbenzene	14.065	91	792852	48.100	ug/l	99
90) Hexachloroethane	14.341	117	166978	56.717	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	463024	54.477	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	58206	45.333	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	197180	39.699	ug/l	98
94) Hexachlorobutadiene	15.512	225	92952	45.073	ug/l	96
95) Naphthalene	15.647	128	605194	35.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	203551	41.856	ug/l	97

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VSTDCCC050

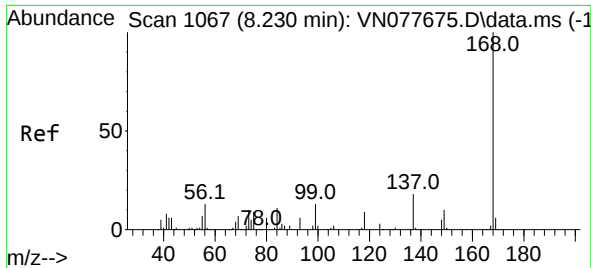
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 06/01/2023

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



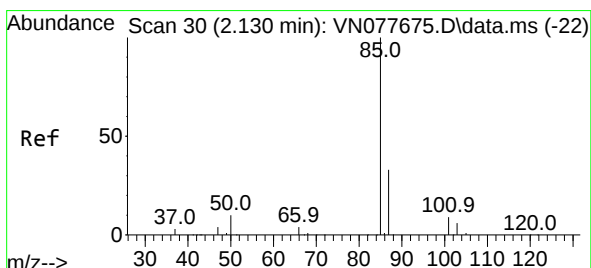
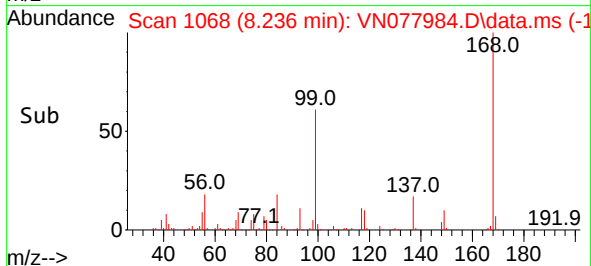
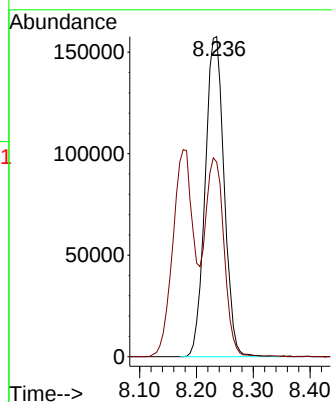
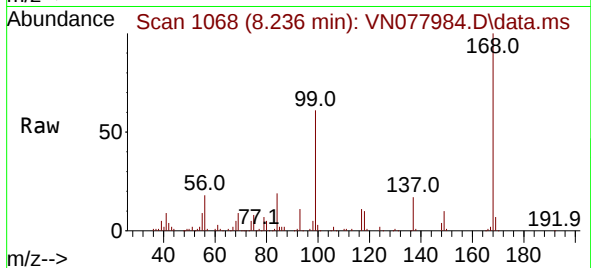
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077984.D
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ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 364209
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6

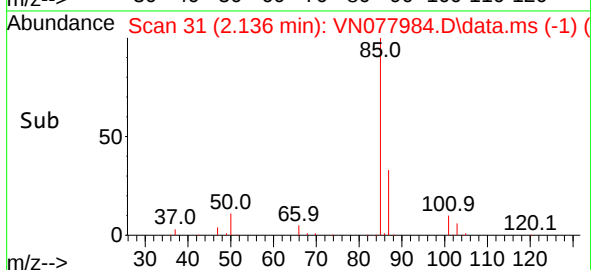
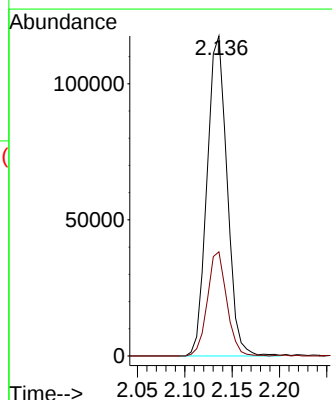
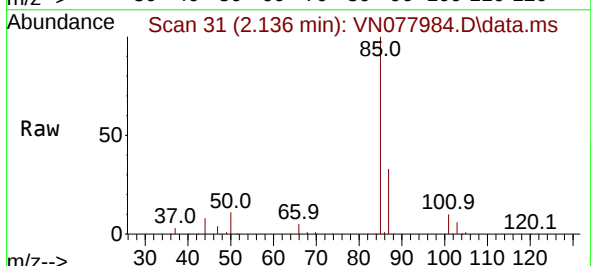
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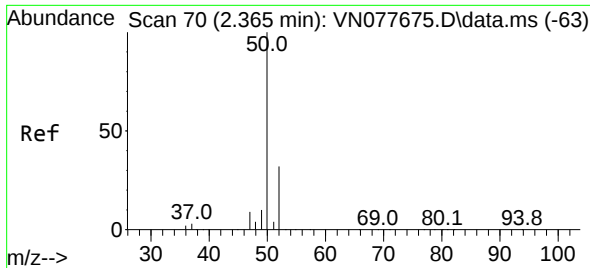
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#2
Dichlorodifluoromethane
Concen: 41.769 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

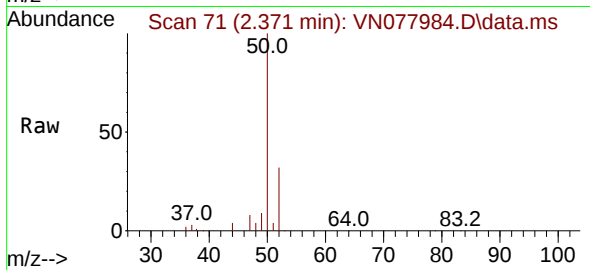
Tgt Ion: 85 Resp: 173129
Ion Ratio Lower Upper
85 100
87 32.5 15.8 47.4





#3
Chloromethane
Concen: 43.520 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

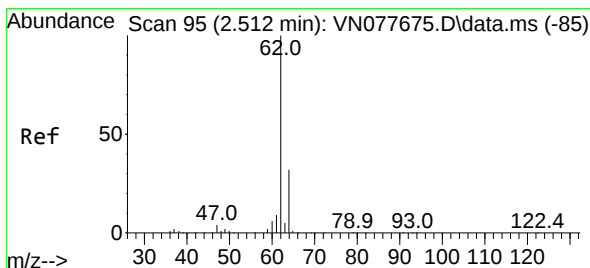
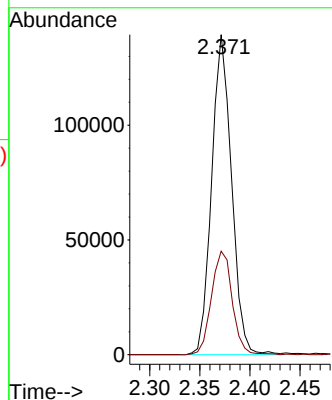
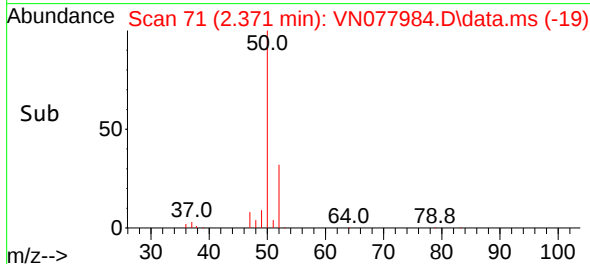
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VSTDCCC050



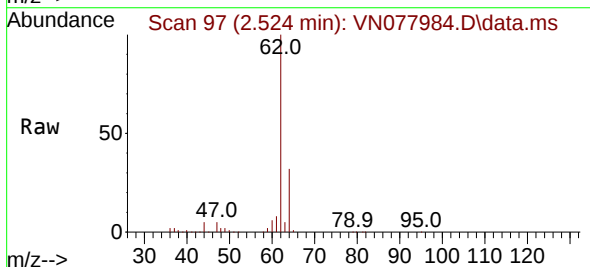
Tgt Ion: 50 Resp: 192278
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

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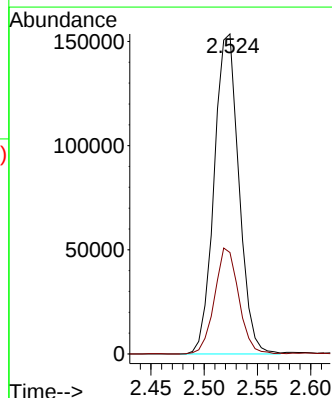
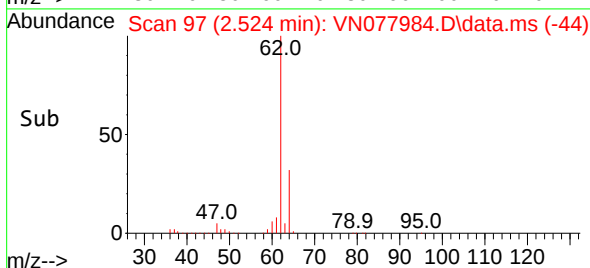
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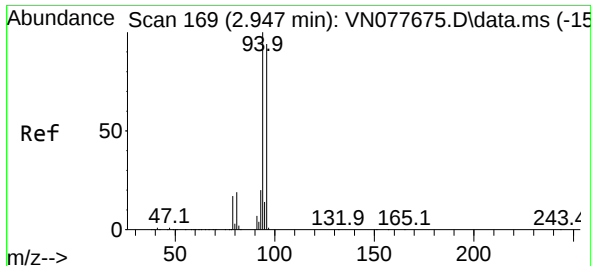


#4
Vinyl Chloride
Concen: 47.511 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.012 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



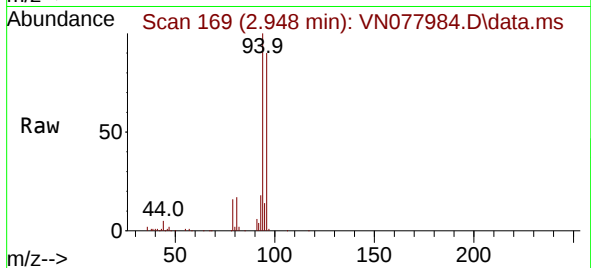
Tgt Ion: 62 Resp: 248288
Ion Ratio Lower Upper
62 100
64 31.7 26.2 39.2





#5
Bromomethane
Concen: 49.278 ug/l
RT: 2.948 min Scan# 110
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

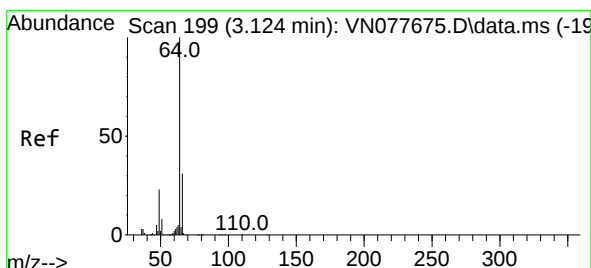
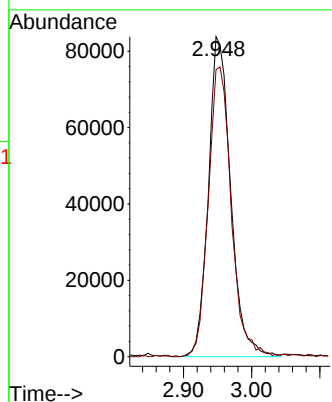
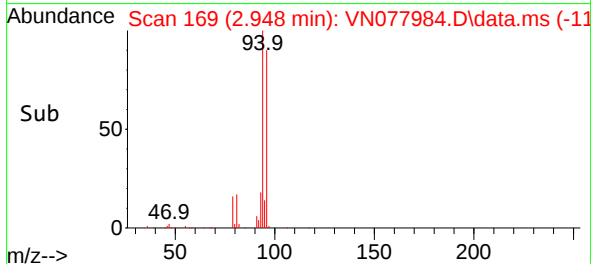
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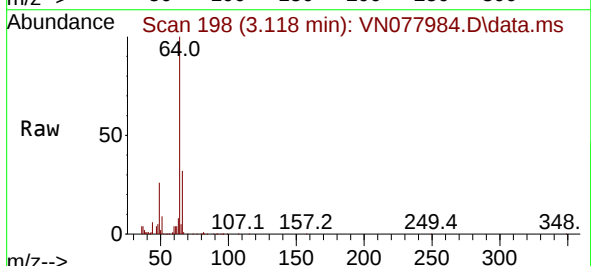
Tgt Ion: 94 Resp: 190459
Ion Ratio Lower Upper
94 100
96 89.7 73.1 109.7

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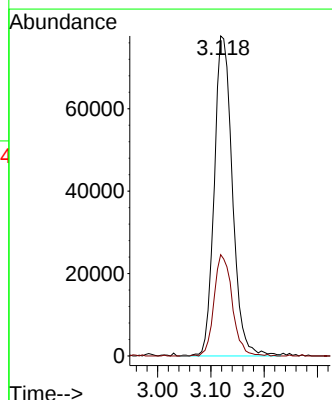
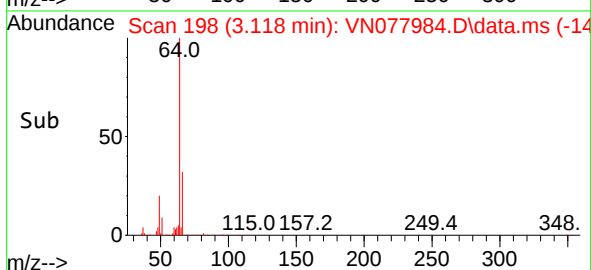
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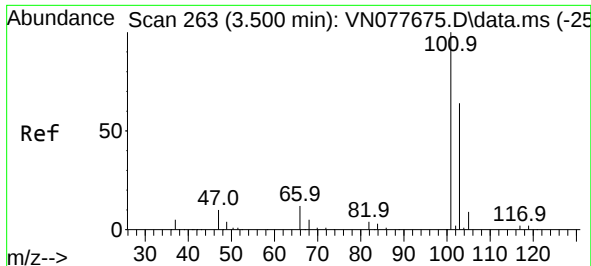


#6
Chloroethane
Concen: 48.845 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
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Acq: 31 May 2023 10:20



Tgt Ion: 64 Resp: 183957
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.2





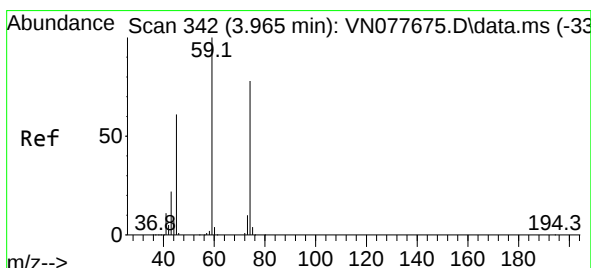
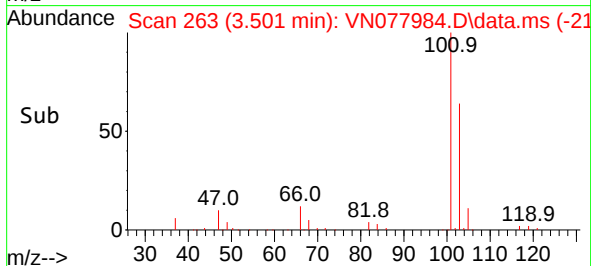
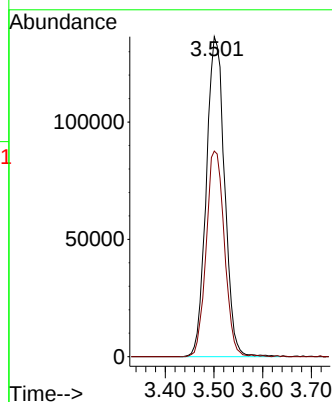
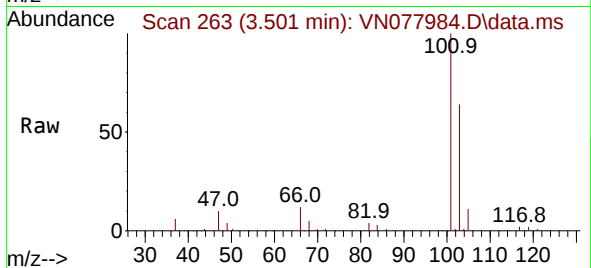
#7
 Trichlorofluoromethane
 Concen: 48.715 ug/l
 RT: 3.501 min Scan# 210
 Delta R.T. 0.001 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

Instrument :
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Tgt Ion:101 Resp: 35478
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.7 76.1

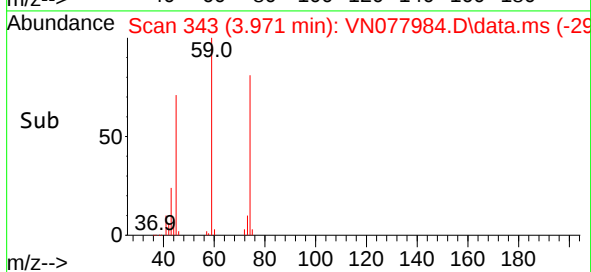
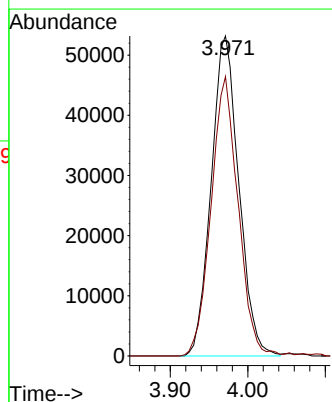
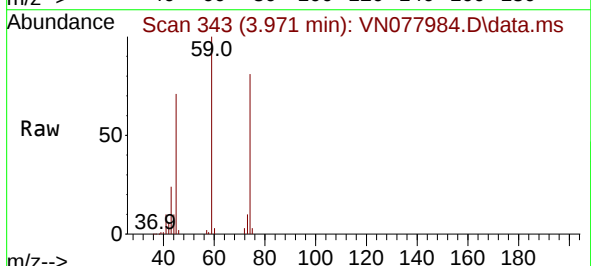
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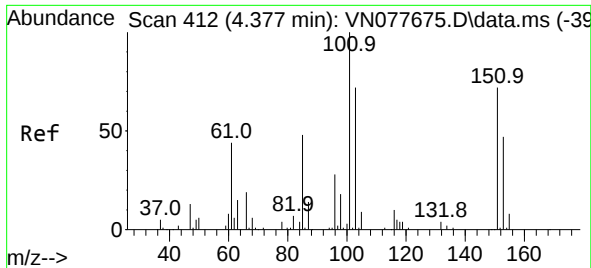
Reviewed By :John Carlone 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023



#8
 Diethyl Ether
 Concen: 49.557 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

Tgt Ion: 74 Resp: 131761
 Ion Ratio Lower Upper
 74 100
 45 85.3 34.4 103.3





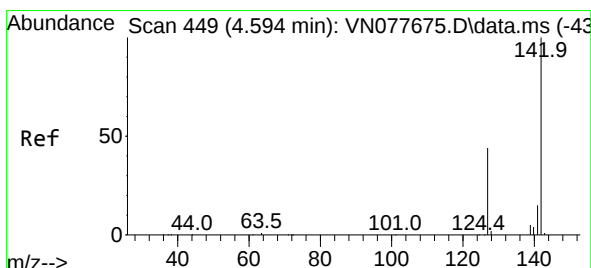
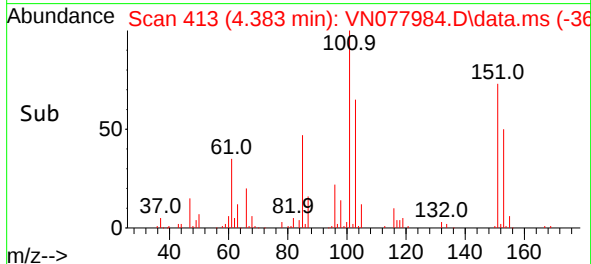
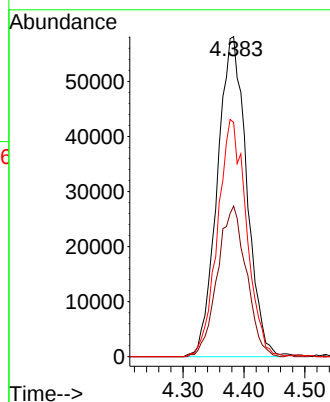
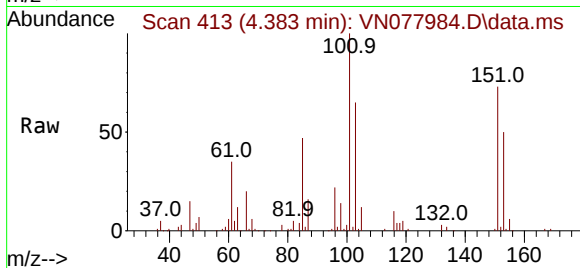
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.351 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 194874
Ion Ratio Lower Upper
101 100
85 46.3 36.6 55.0
151 72.8 57.6 86.4

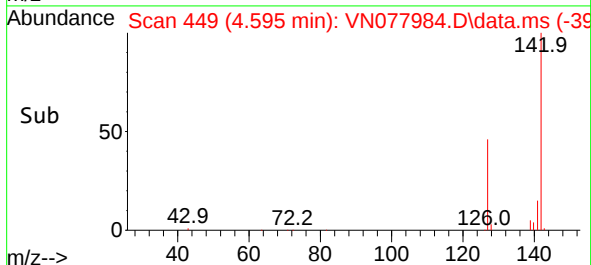
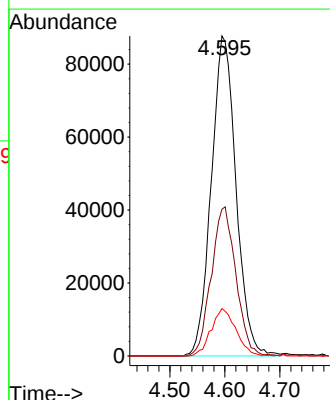
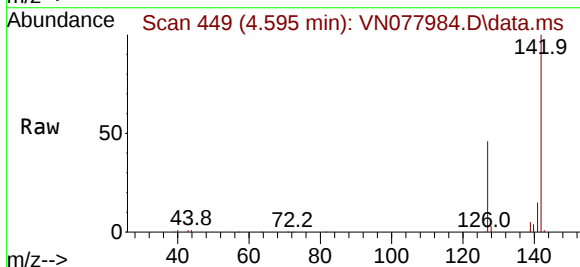
Manual Integrations
APPROVED

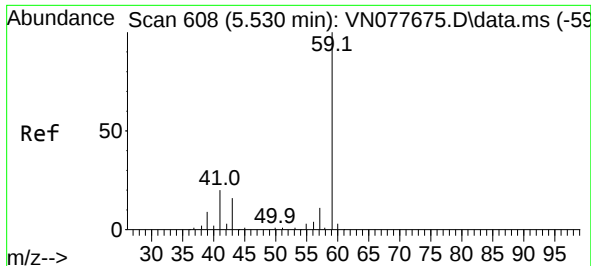
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#10
Methyl Iodide
Concen: 57.076 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

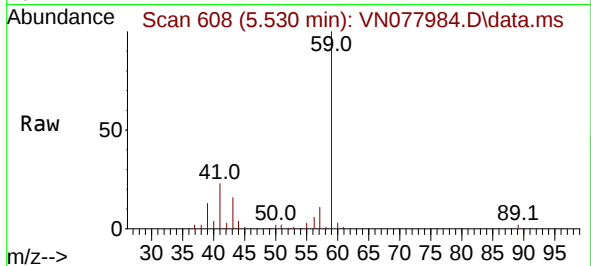
Tgt Ion:142 Resp: 274344
Ion Ratio Lower Upper
142 100
127 45.8 37.6 56.4
141 14.8 11.4 17.0





#11
Tert butyl alcohol
Concen: 244.119 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

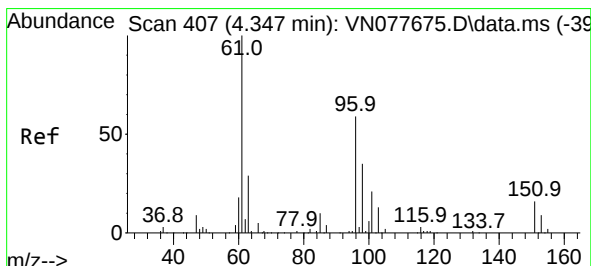
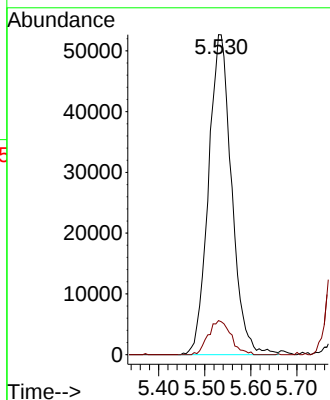
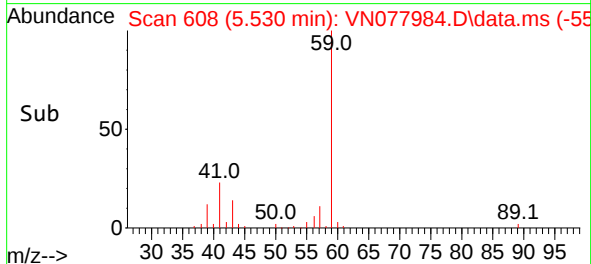
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



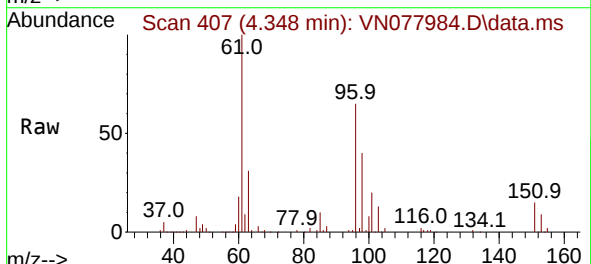
Tgt Ion: 59 Resp: 183598
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

Manual Integrations
APPROVED

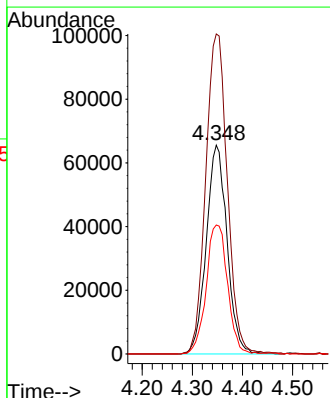
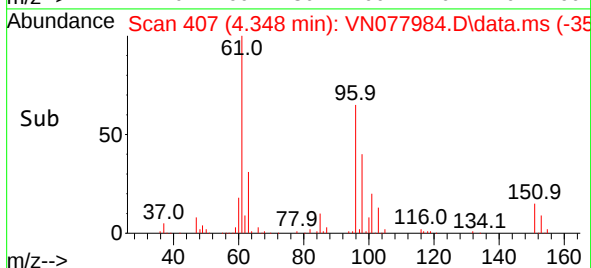
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

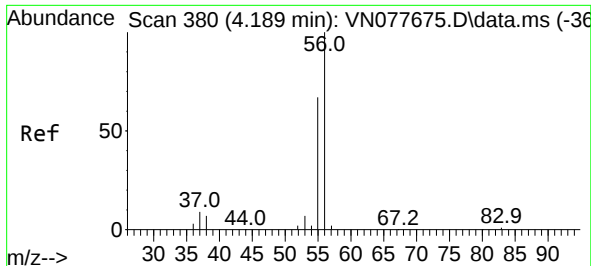


#12
1,1-Dichloroethene
Concen: 49.283 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



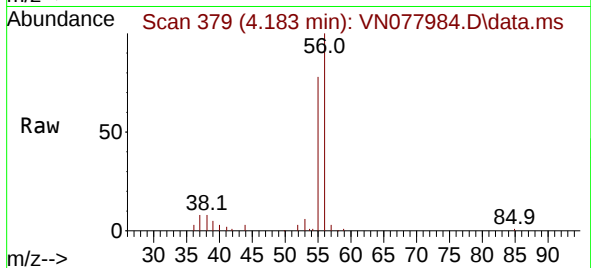
Tgt Ion: 96 Resp: 188786
Ion Ratio Lower Upper
96 100
61 153.3 112.7 169.1
98 61.7 51.2 76.8





#13
Acrolein
Concen: 179.097 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

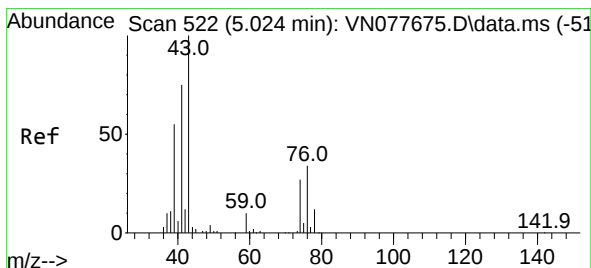
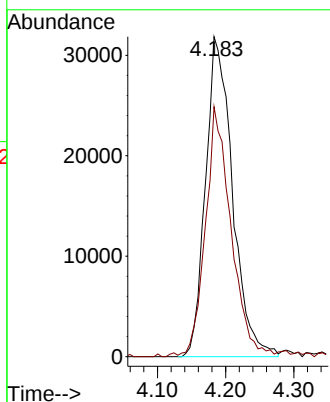
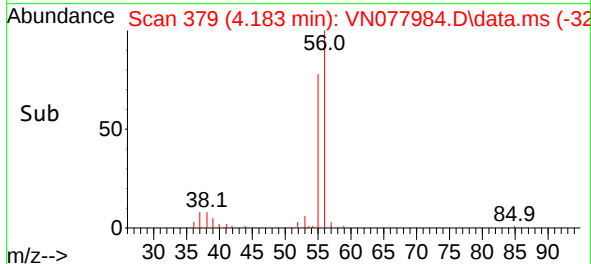
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 87609
Ion Ratio Lower Upper
56 100
55 72.4 54.5 81.7

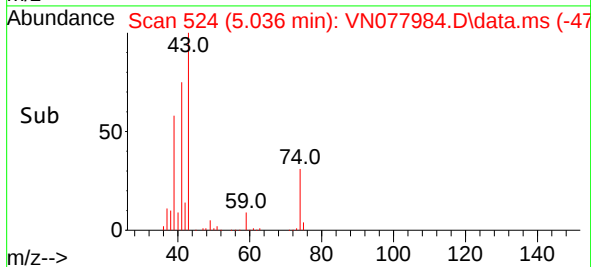
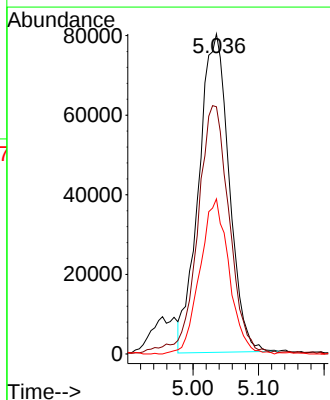
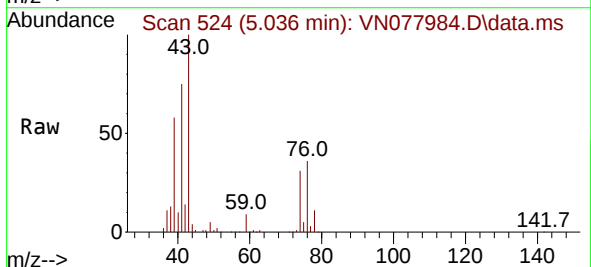
Manual Integrations
APPROVED

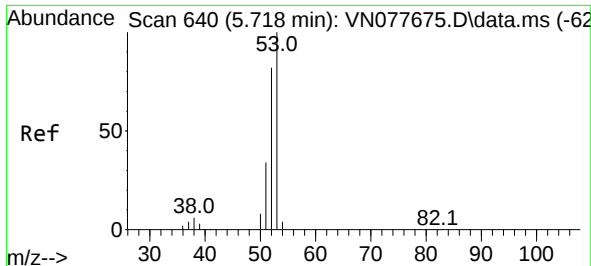
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#14
Allyl chloride
Concen: 45.699 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

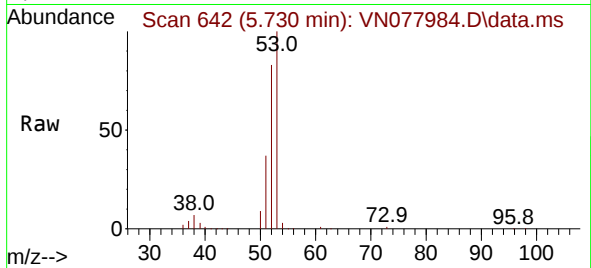
Tgt Ion: 41 Resp: 257167
Ion Ratio Lower Upper
41 100
39 80.9 58.8 88.2
76 46.7 39.1 58.7





#15
Acrylonitrile
Concen: 248.151 ug/l
RT: 5.730 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

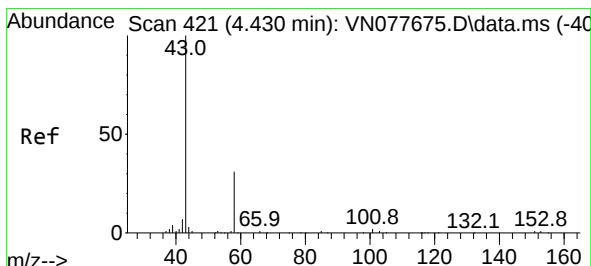
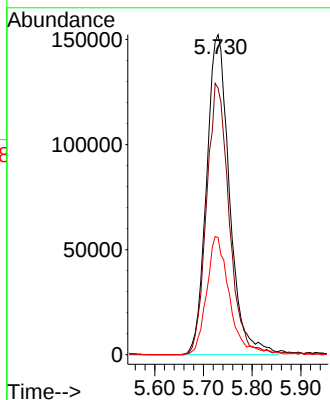
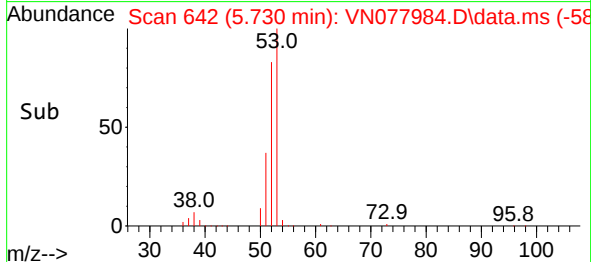
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 49860
Ion Ratio Lower Upper
53 100
52 83.2 65.3 97.9
51 36.9 28.9 43.3

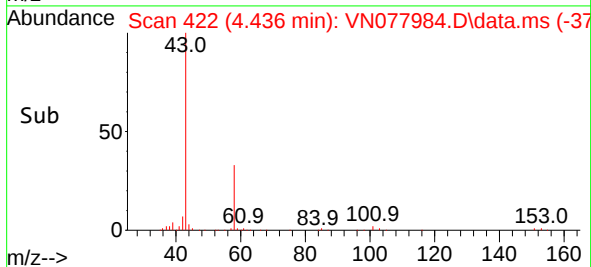
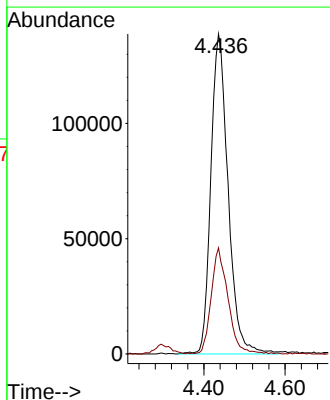
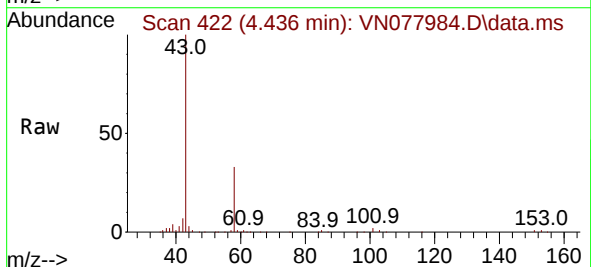
Manual Integrations
APPROVED

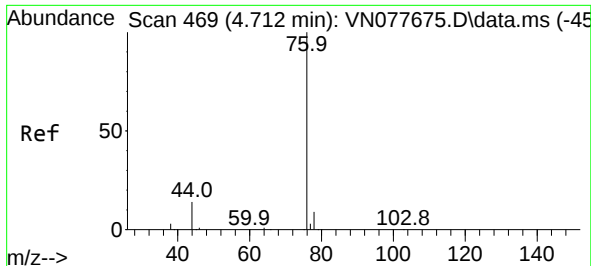
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#16
Acetone
Concen: 238.653 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion: 43 Resp: 409167
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0





#17

Carbon Disulfide

Concen: 44.254 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 456769

Ion Ratio Lower Upper

76 100

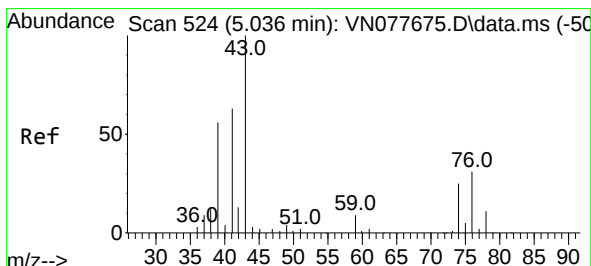
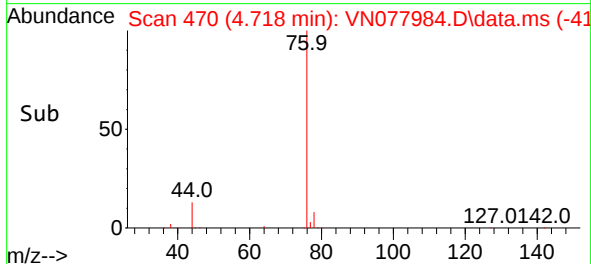
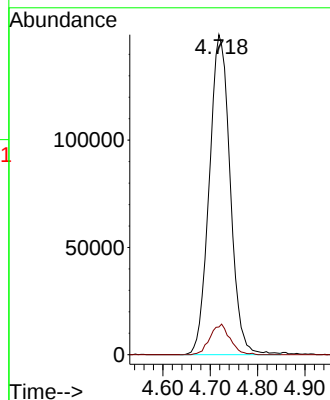
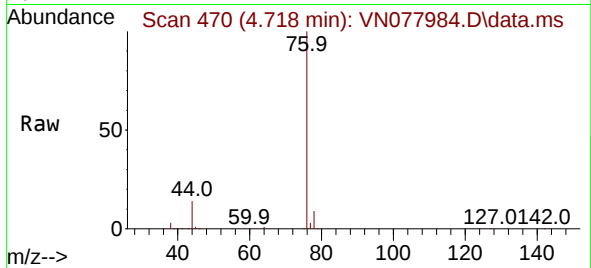
78 8.6 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#18

Methyl Acetate

Concen: 50.368 ug/l

RT: 5.030 min Scan# 523

Delta R.T. -0.006 min

Lab File: VN077984.D

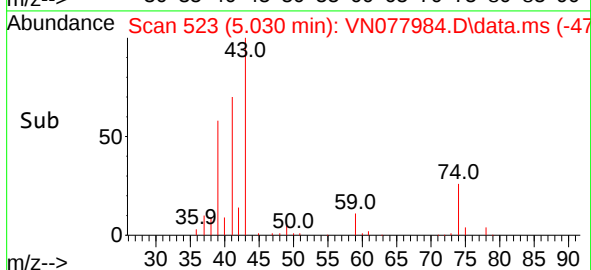
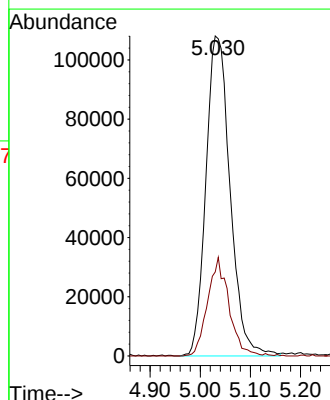
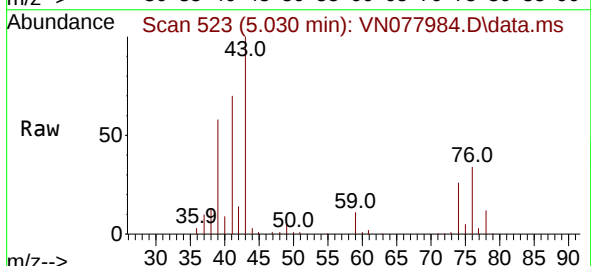
Acq: 31 May 2023 10:20

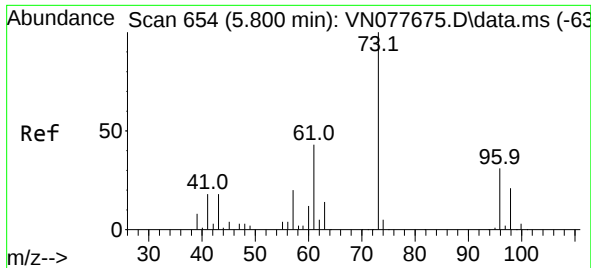
Tgt Ion: 43 Resp: 362277

Ion Ratio Lower Upper

43 100

74 27.1 26.2 39.4





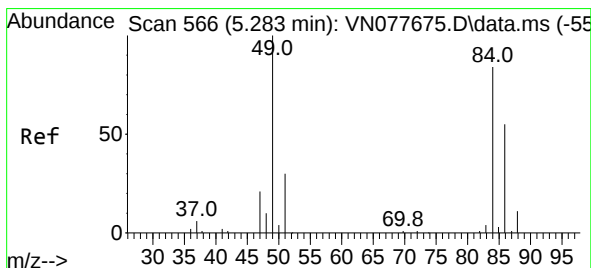
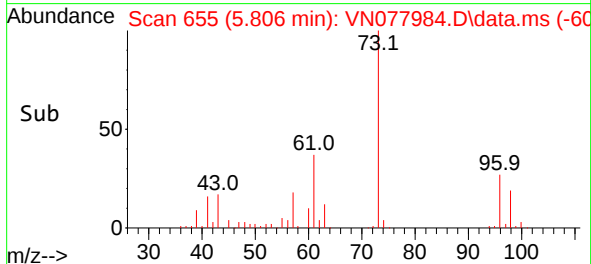
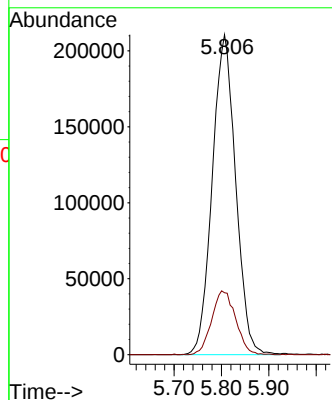
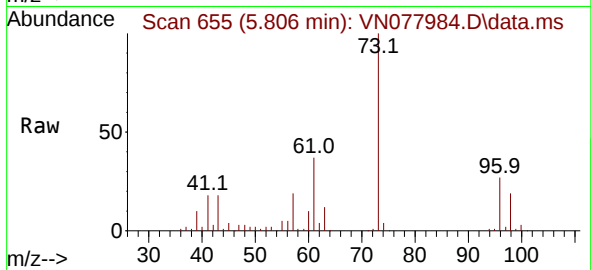
#19
Methyl tert-butyl Ether
Concen: 52.060 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 72183
Ion Ratio Lower Upper
73 100
57 19.3 15.6 23.4

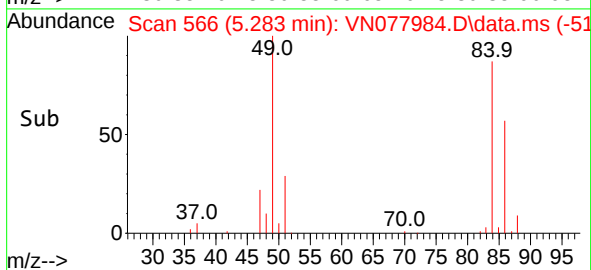
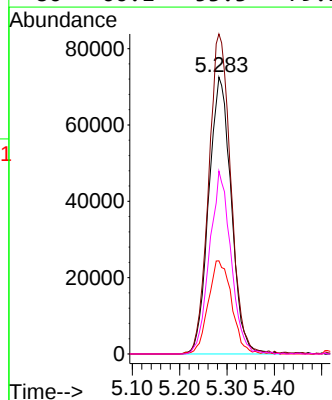
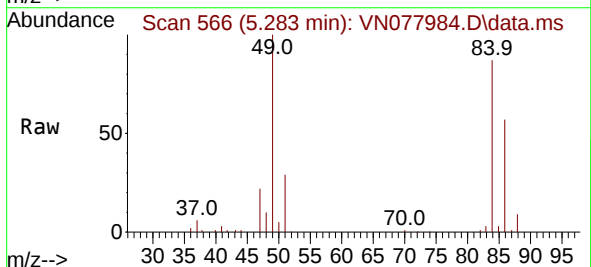
Manual Integrations
APPROVED

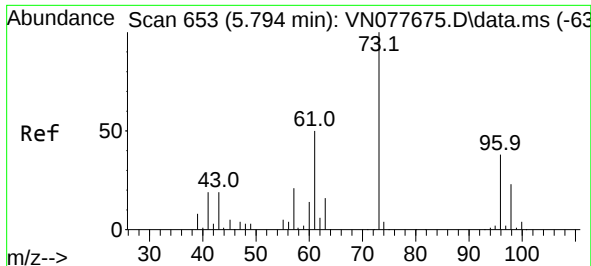
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#20
Methylene Chloride
Concen: 53.754 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

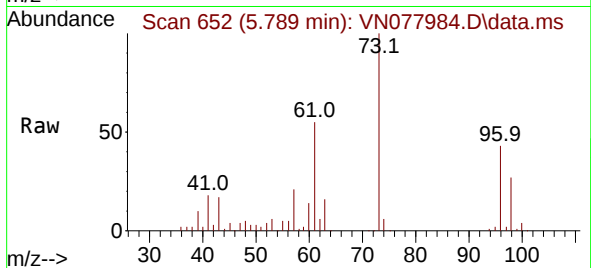
Tgt Ion: 84 Resp: 239214
Ion Ratio Lower Upper
84 100
49 115.6 79.7 119.5
51 33.6 25.2 37.8
86 66.1 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 49.714 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

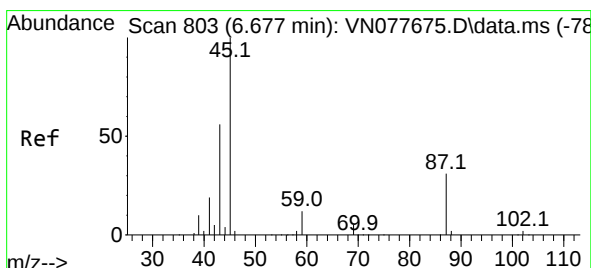
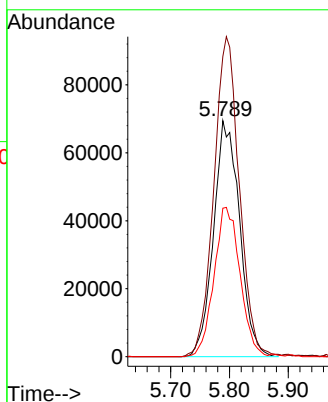
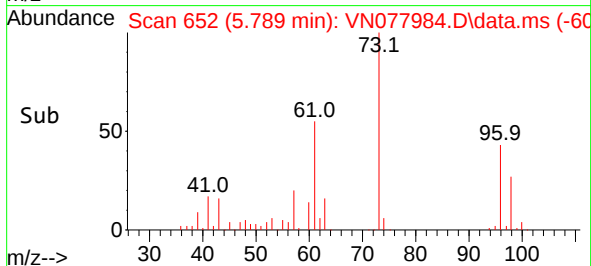
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



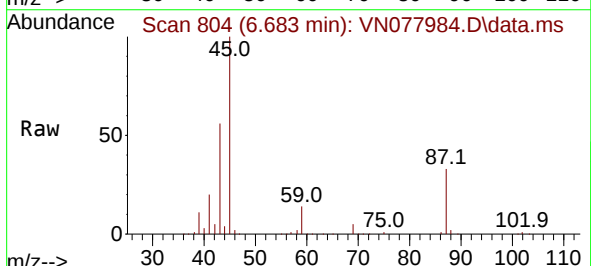
Tgt Ion: 96 Resp: 213920
Ion Ratio Lower Upper
96 100
61 127.2 90.1 135.1
98 62.9 46.4 69.6

Manual Integrations
APPROVED

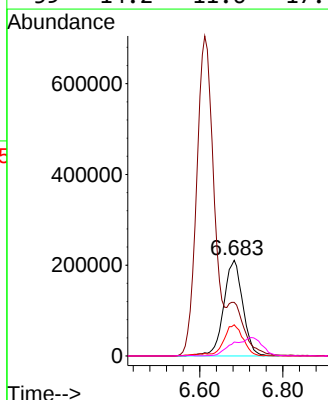
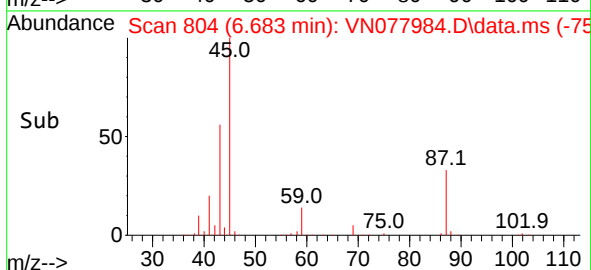
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

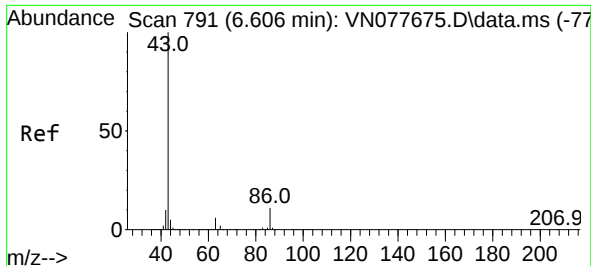


#22
Diisopropyl ether
Concen: 51.016 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



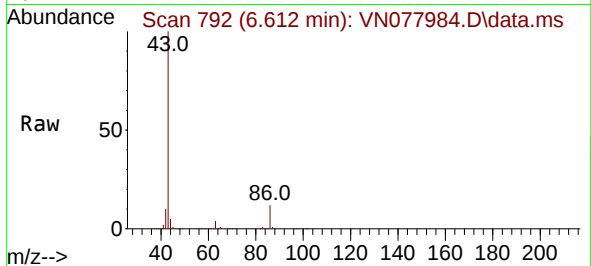
Tgt Ion: 45 Resp: 672916
Ion Ratio Lower Upper
45 100
43 55.5 45.5 68.3
87 32.4 31.8 47.8
59 14.2 11.6 17.4





#23
 Vinyl Acetate
 Concen: 251.577 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

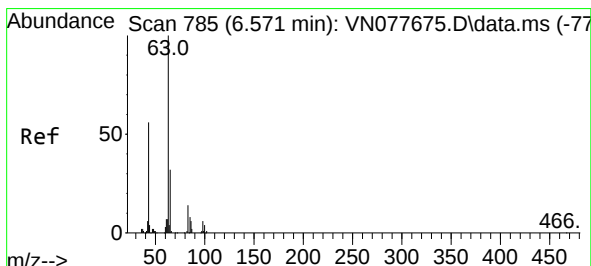
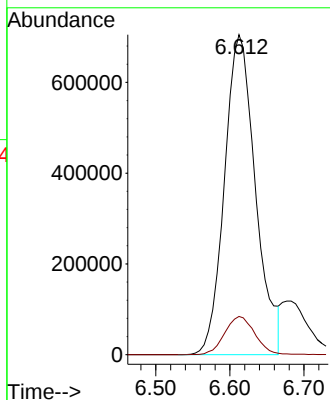
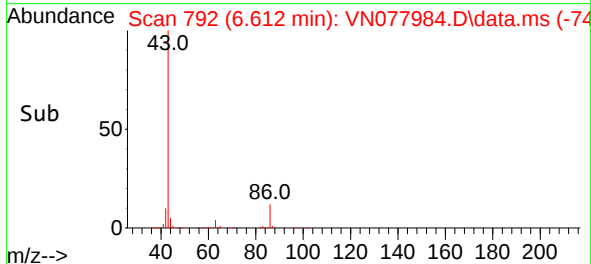
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



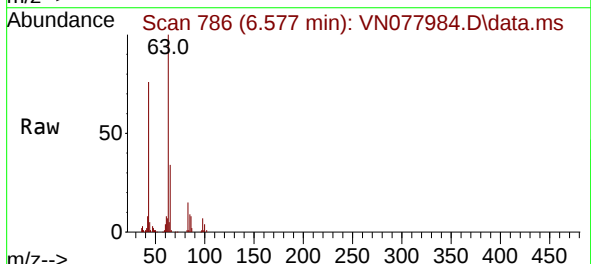
Tgt Ion: 43 Resp: 205599
 Ion Ratio Lower Upper
 43 100
 86 11.9 13.0 19.6

Manual Integrations
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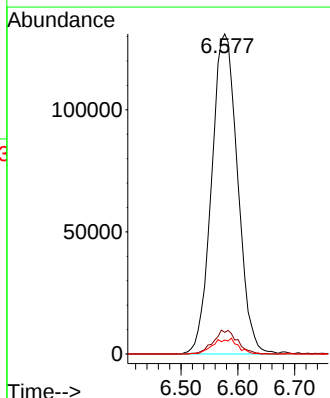
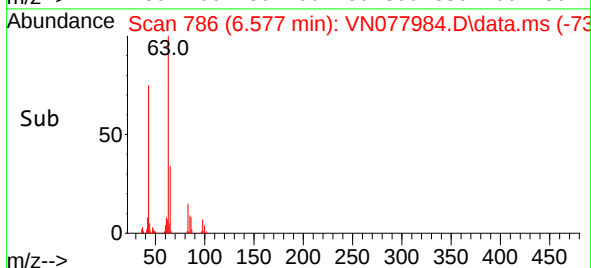
Reviewed By :John Carlone 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

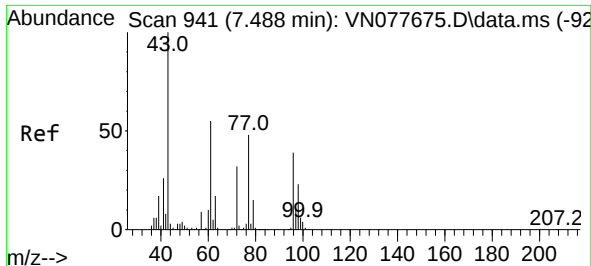


#24
 1,1-Dichloroethane
 Concen: 51.590 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20



Tgt Ion: 63 Resp: 416898
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.9 11.7
 100 4.3 2.5 7.4





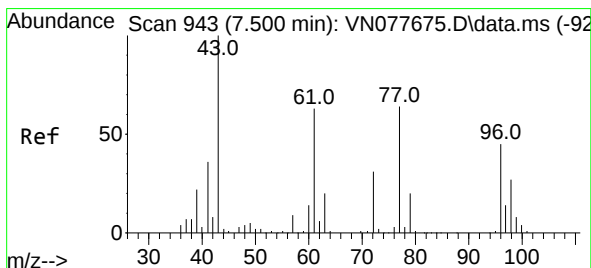
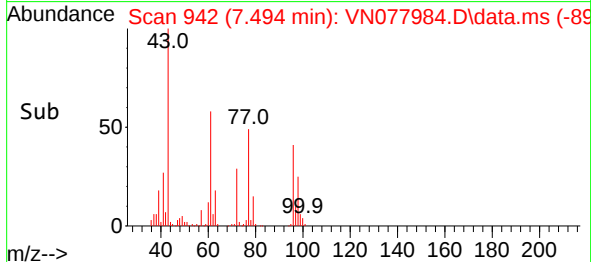
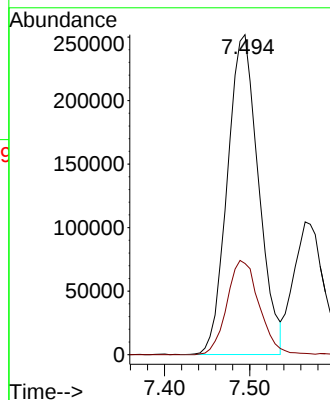
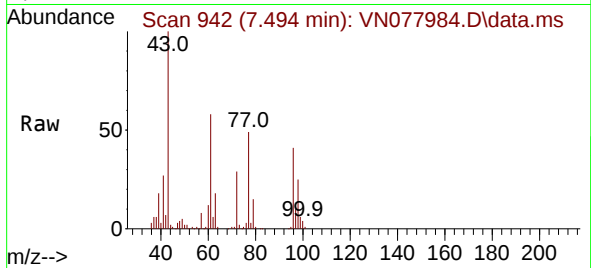
#25
2-Butanone
Concen: 238.845 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 640570
Ion Ratio Lower Upper
43 100
72 28.5 30.2 45.2

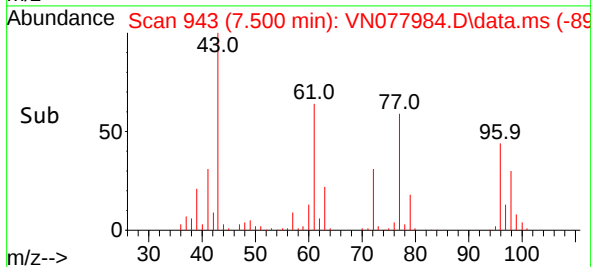
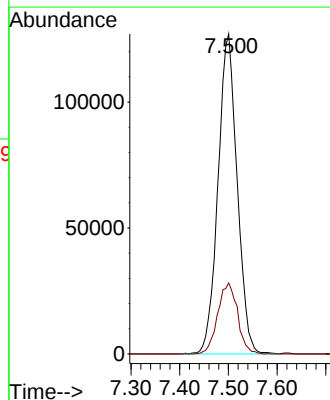
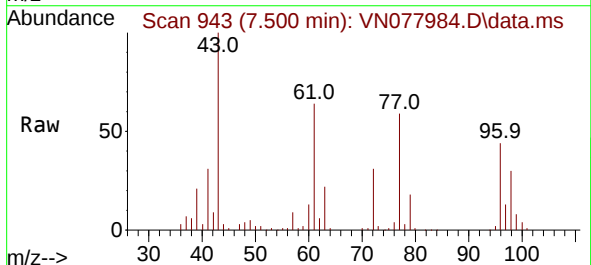
Manual Integrations
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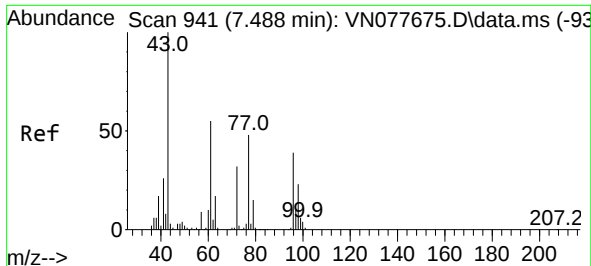
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#26
2,2-Dichloropropane
Concen: 50.516 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion: 77 Resp: 346815
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 52.193 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 26928

Ion Ratio Lower Upper

96 100

61 139.9 0.0 255.2

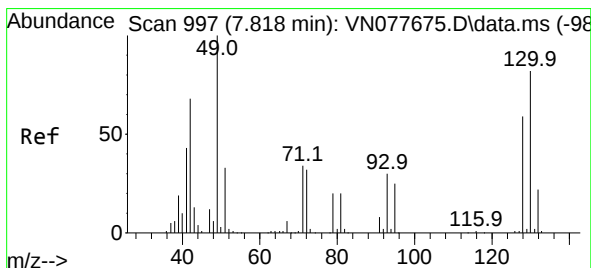
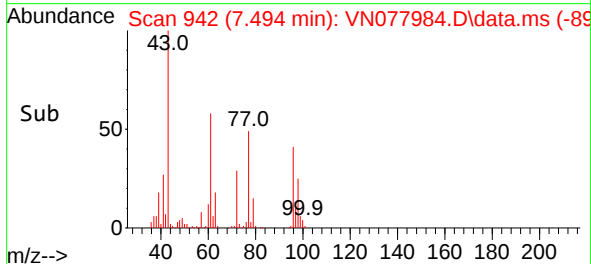
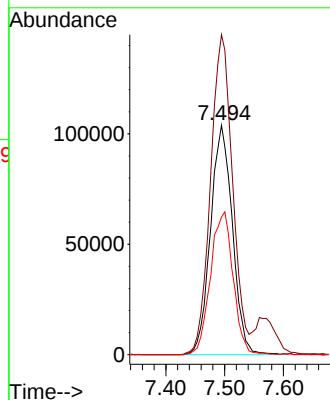
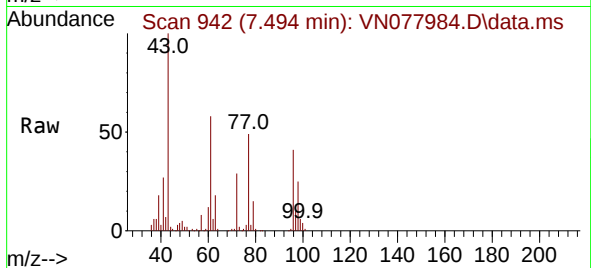
98 64.2 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#28

Bromochloromethane

Concen: 52.241 ug/l

RT: 7.824 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

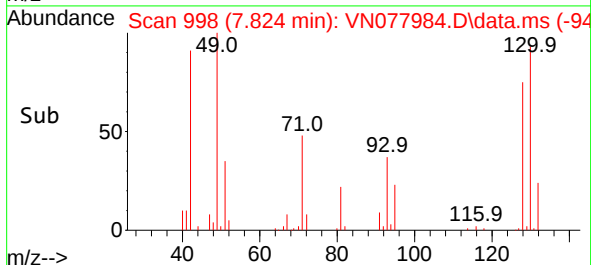
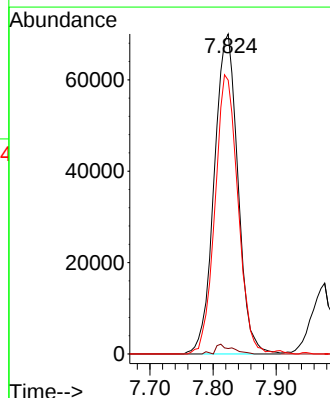
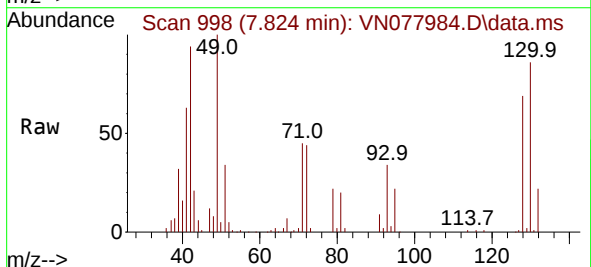
Tgt Ion: 49 Resp: 182573

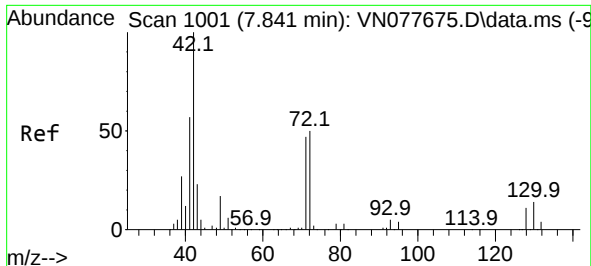
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.8

130 84.5 75.3 112.9





#29

Tetrahydrofuran

Concen: 240.980 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 423194

Ion Ratio Lower Upper

42 100

72 49.1 49.8 74.6

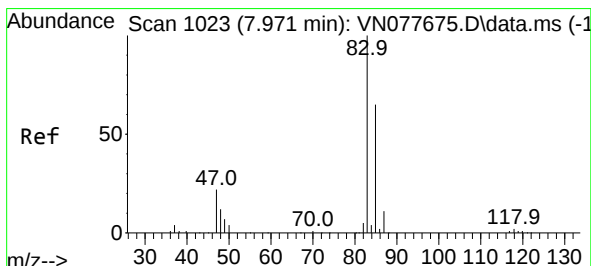
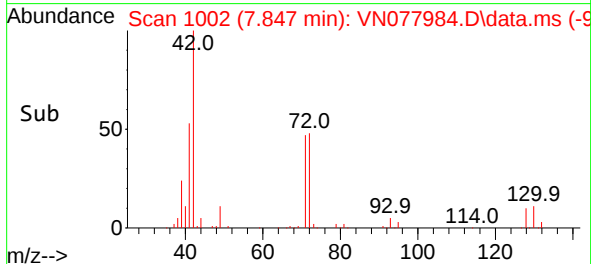
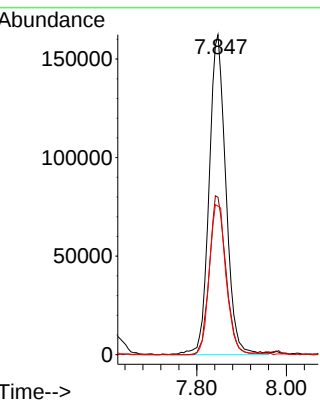
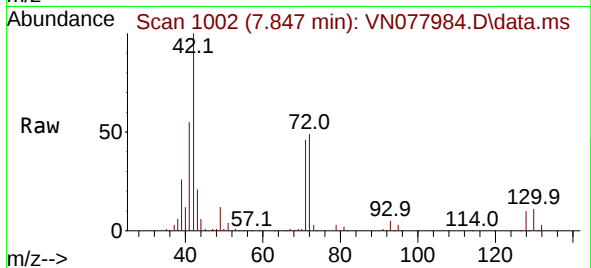
71 47.1 47.4 71.2

Manual Integrations

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Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#30

Chloroform

Concen: 51.181 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077984.D

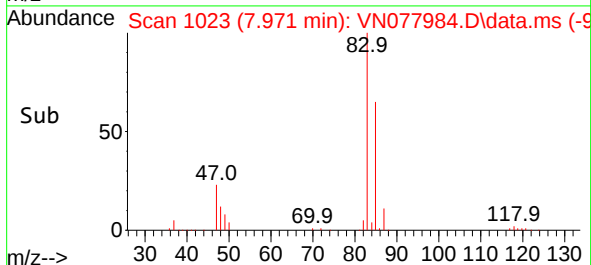
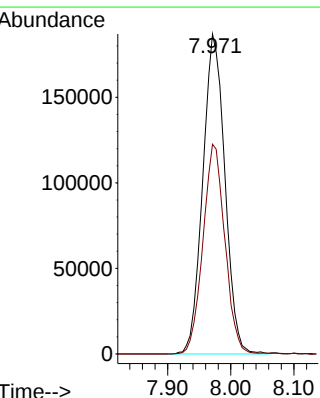
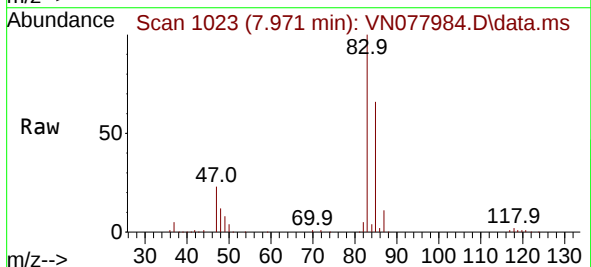
Acq: 31 May 2023 10:20

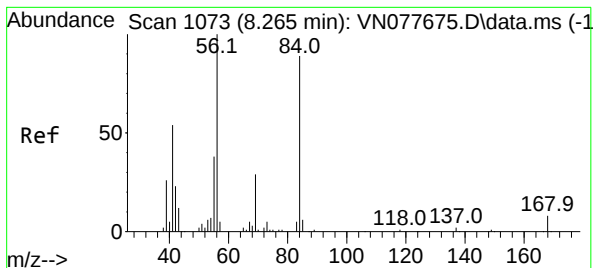
Tgt Ion: 83 Resp: 454965

Ion Ratio Lower Upper

83 100

85 65.6 55.4 83.0





#31

Cyclohexane

Concen: 44.810 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN077984.D

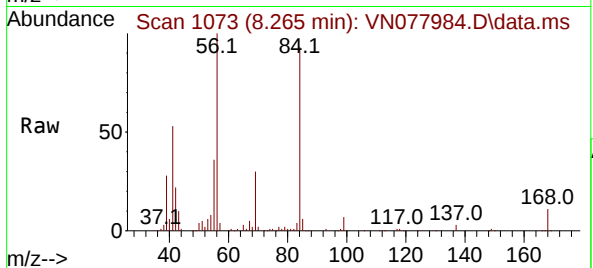
Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 33188

Ion Ratio Lower Upper

56 100

69 30.5 26.8 40.2

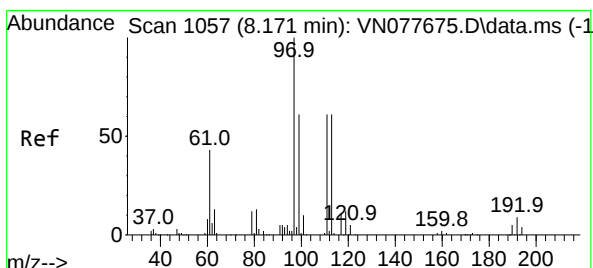
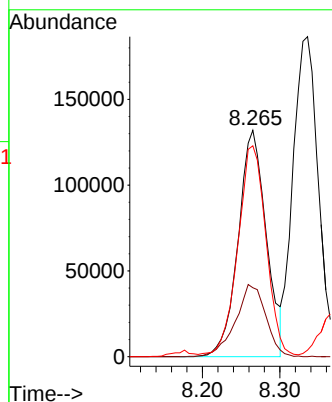
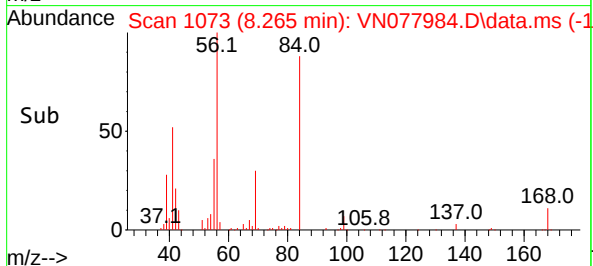
84 91.4 81.8 122.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#32

1,1,1-Trichloroethane

Concen: 52.338 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

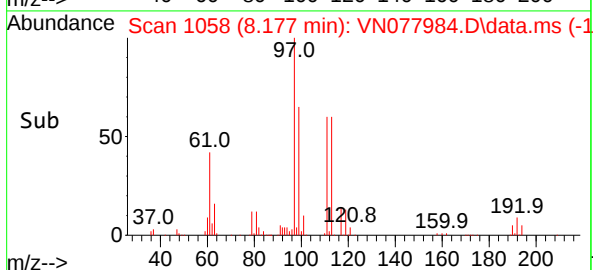
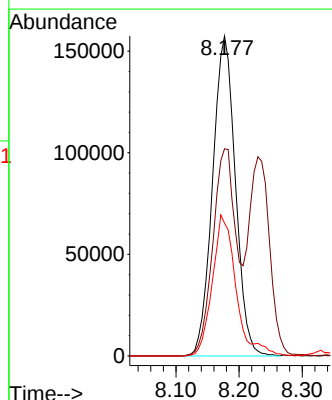
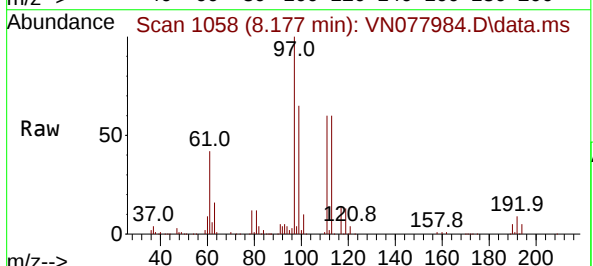
Tgt Ion: 97 Resp: 395555

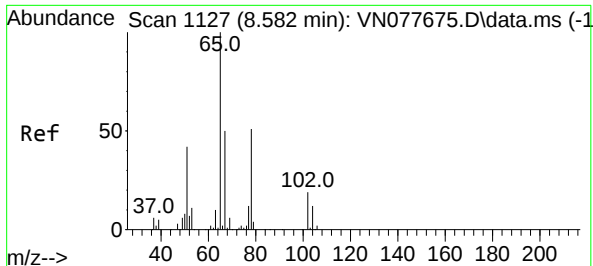
Ion Ratio Lower Upper

97 100

99 66.8 50.3 75.5

61 45.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 48.906 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 266514

Ion Ratio Lower Upper

65 100

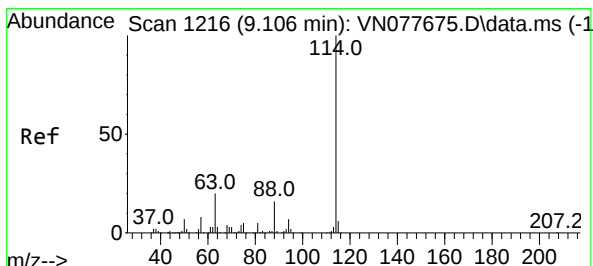
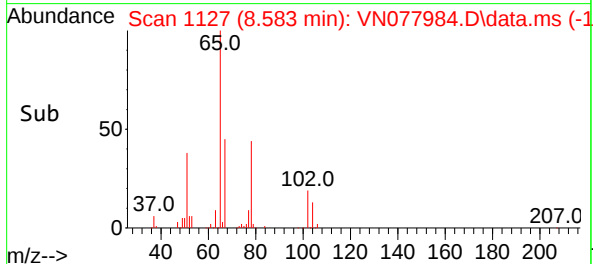
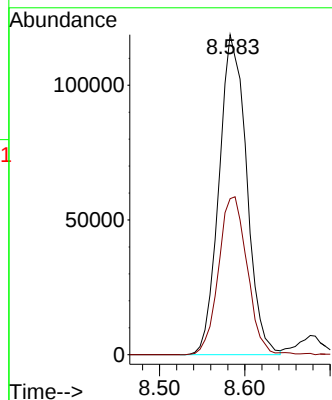
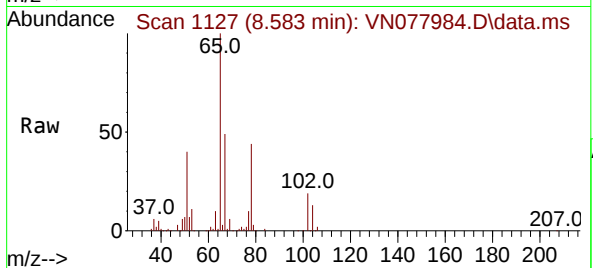
67 51.3 0.0 106.6

Manual Integrations

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Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

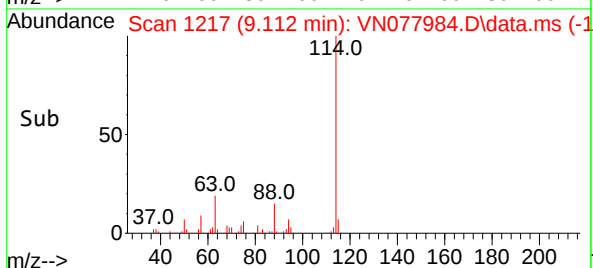
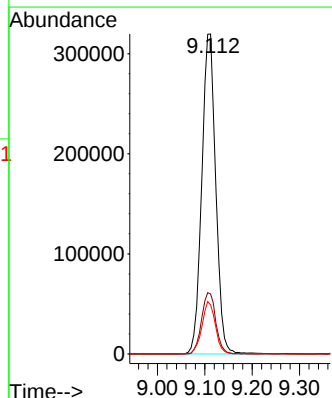
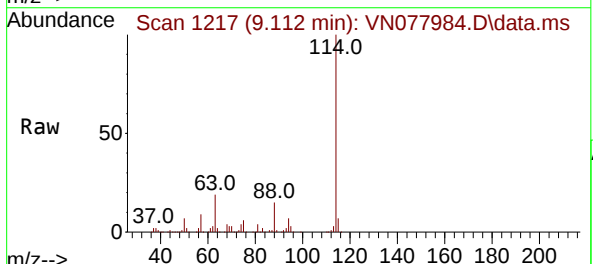
Tgt Ion:114 Resp: 655121

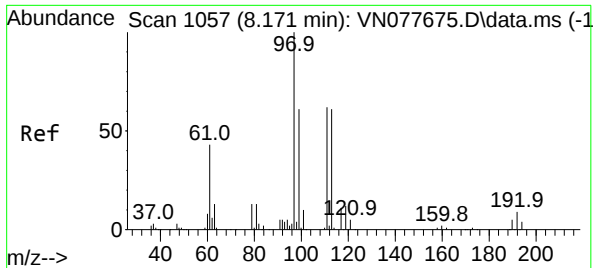
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

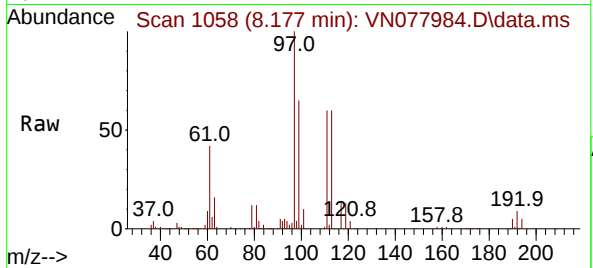
88 15.3 0.0 30.6





#35
Dibromofluoromethane
Concen: 53.245 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

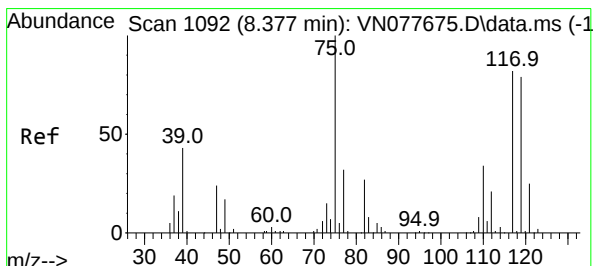
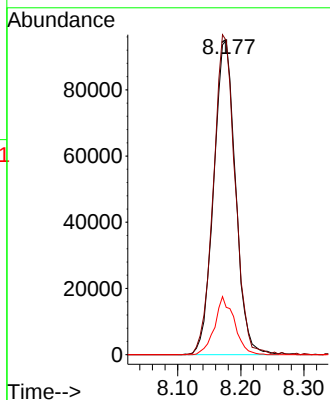
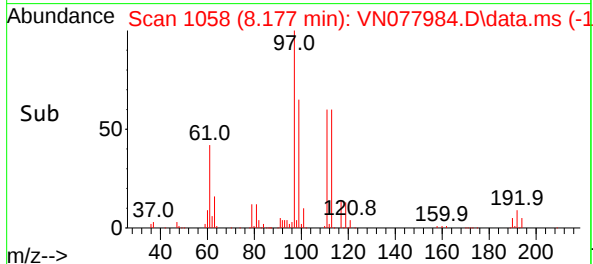
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



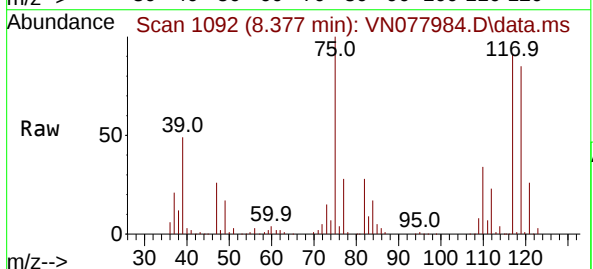
Tgt Ion: 113 Resp: 22746
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.8 12.7 19.1

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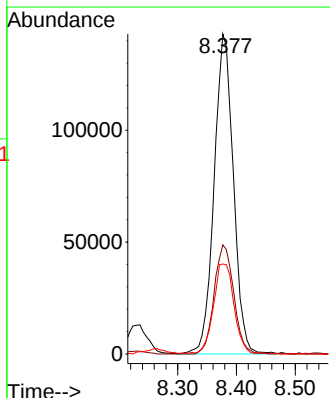
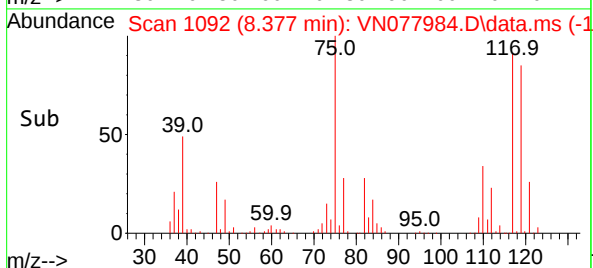
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

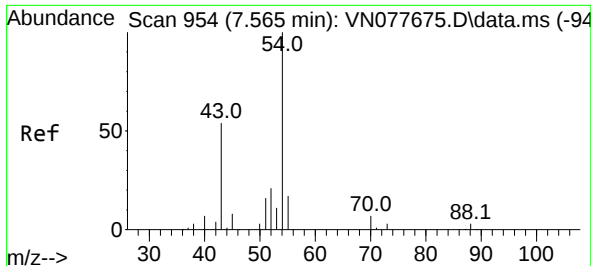


#36
1,1-Dichloropropene
Concen: 52.212 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion: 75 Resp: 326243
Ion Ratio Lower Upper
75 100
110 34.6 19.1 57.3
77 30.2 25.0 37.4





#37

Ethyl Acetate

Concen: 47.841 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 266439

Ion Ratio Lower Upper

43 100

61 15.6 13.2 19.8

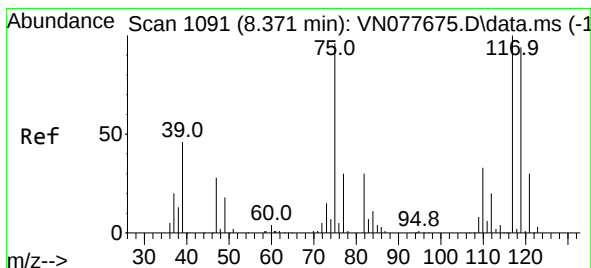
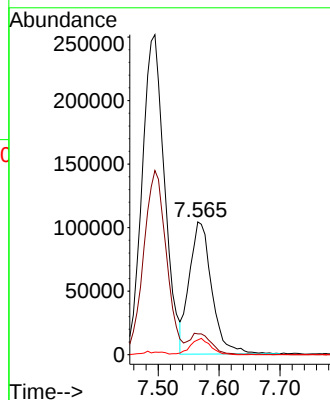
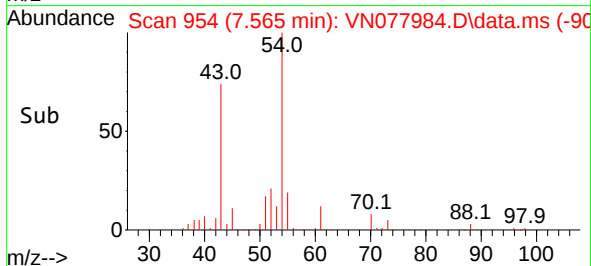
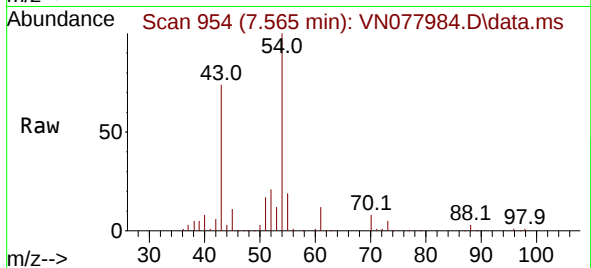
70 11.0 11.3 16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#38

Carbon Tetrachloride

Concen: 55.043 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

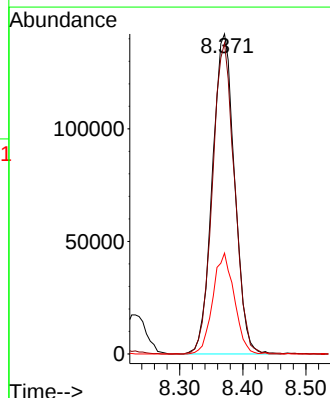
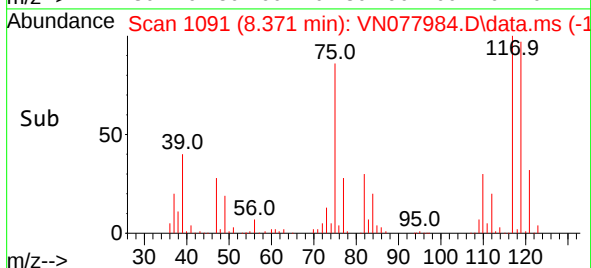
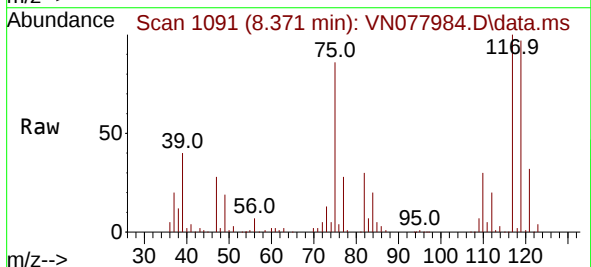
Tgt Ion:117 Resp: 347297

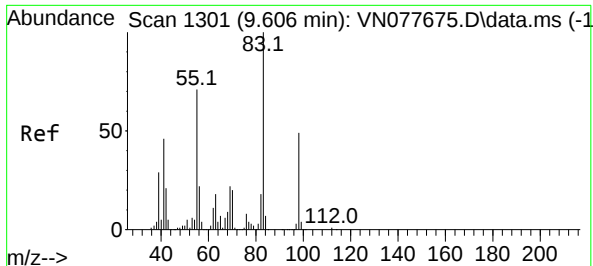
Ion Ratio Lower Upper

117 100

119 97.2 77.3 115.9

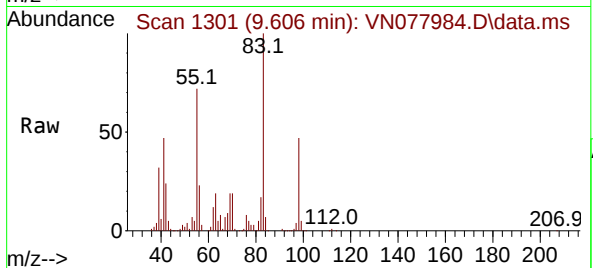
121 31.5 23.3 34.9





#39
Methylcyclohexane
Concen: 46.609 ug/l
RT: 9.606 min Scan# 11301
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

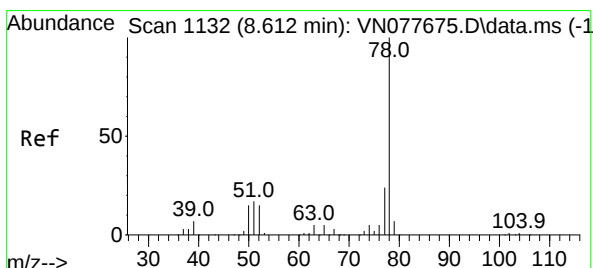
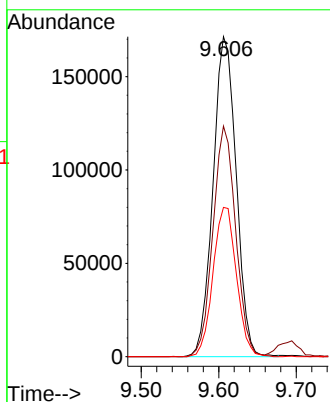
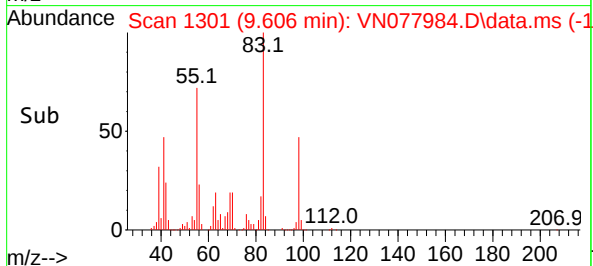
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 35654
Ion Ratio Lower Upper
83 100
55 72.1 49.1 73.7
98 46.6 40.6 61.0

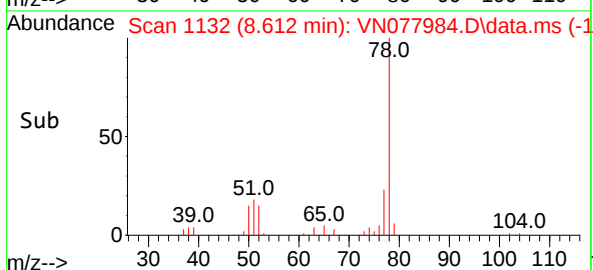
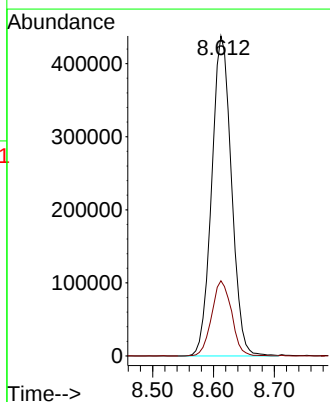
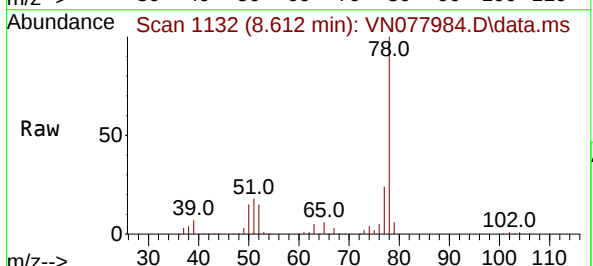
Manual Integrations
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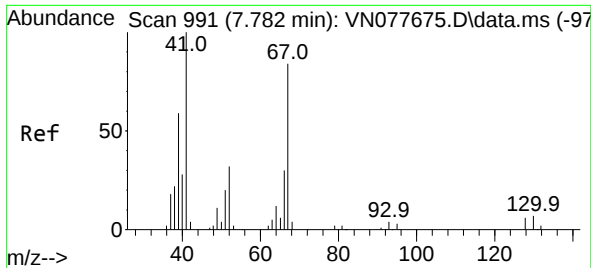
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#40
Benzene
Concen: 53.522 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

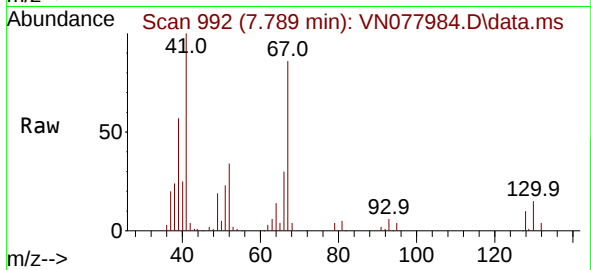
Tgt Ion: 78 Resp: 986880
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41
Methacrylonitrile
Concen: 48.130 ug/l
RT: 7.789 min Scan# 991
Delta R.T. 0.007 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

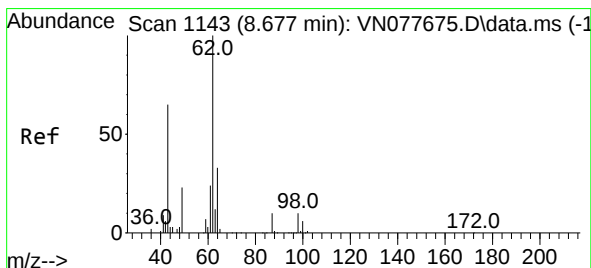
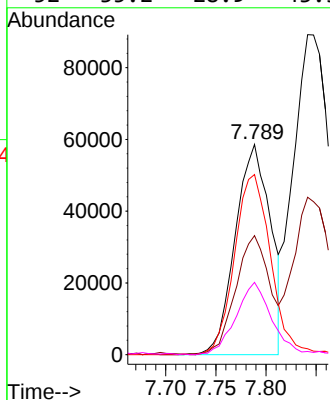
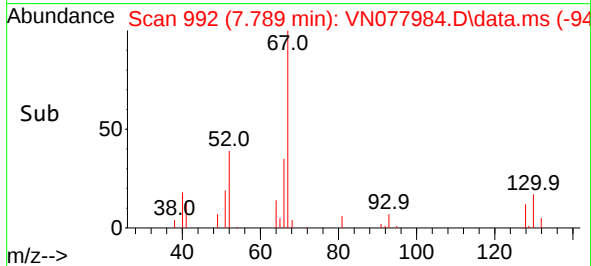
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 142752
Ion Ratio Lower Upper
41 100
39 54.5 42.6 64.0
67 88.5 77.5 116.3
52 35.2 28.9 43.3

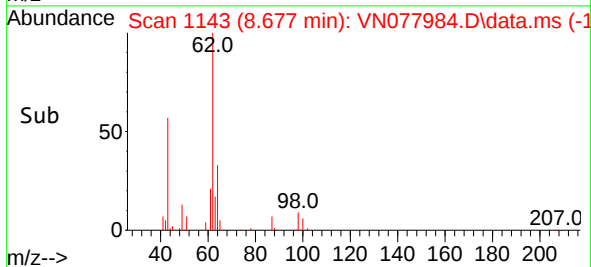
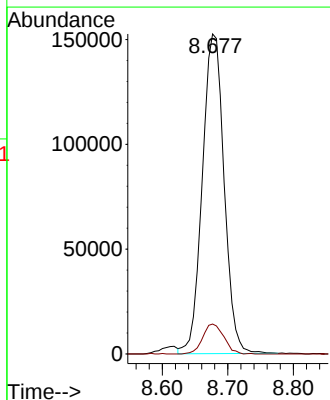
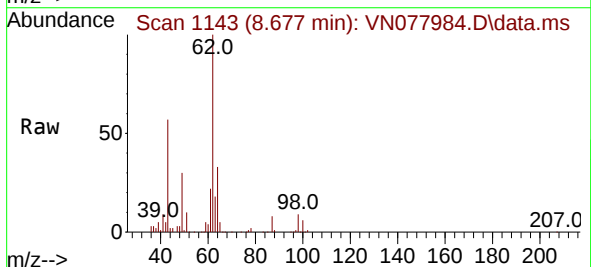
Manual Integrations
APPROVED

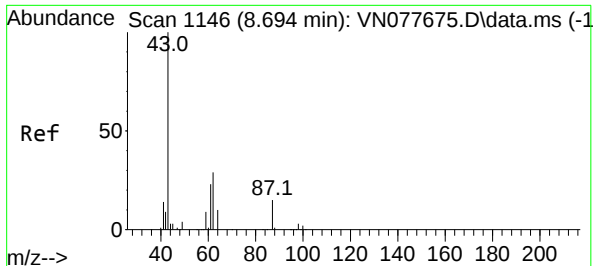
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#42
1,2-Dichloroethane
Concen: 52.584 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

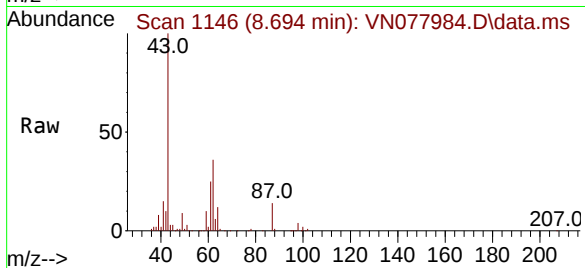
Tgt Ion: 62 Resp: 352213
Ion Ratio Lower Upper
62 100
98 9.1 0.0 19.8





#43
Isopropyl Acetate
Concen: 50.980 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

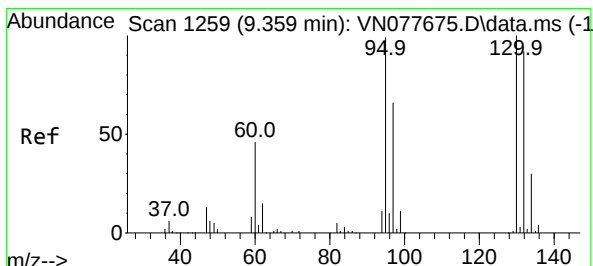
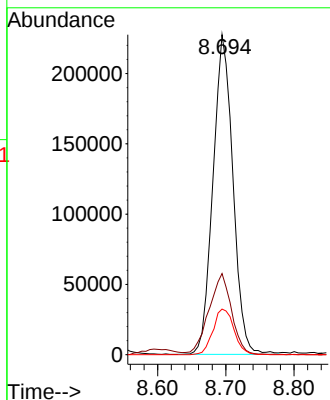
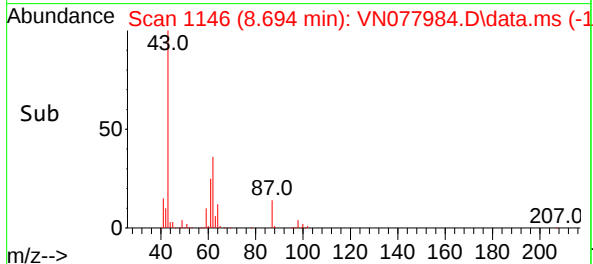
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 46375
Ion Ratio Lower Upper
43 100
61 28.7 24.7 37.1
87 14.9 14.6 21.8

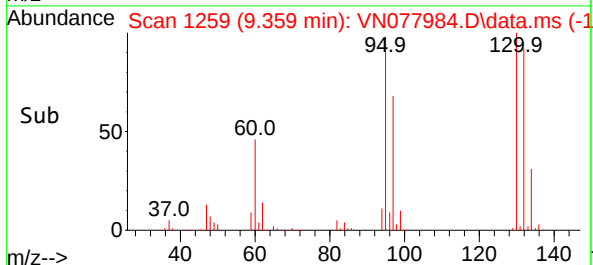
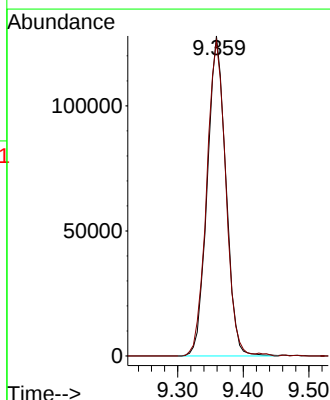
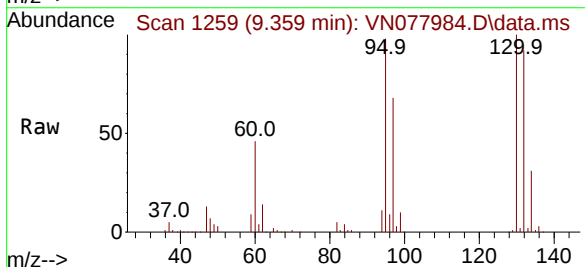
Manual Integrations
APPROVED

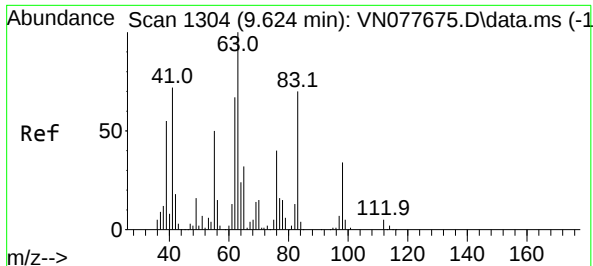
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#44
Trichloroethene
Concen: 53.915 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion:130 Resp: 251725
Ion Ratio Lower Upper
130 100
95 98.4 0.0 204.6





#45

1,2-Dichloropropane

Concen: 54.085 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 254370

Ion Ratio Lower Upper

63 100

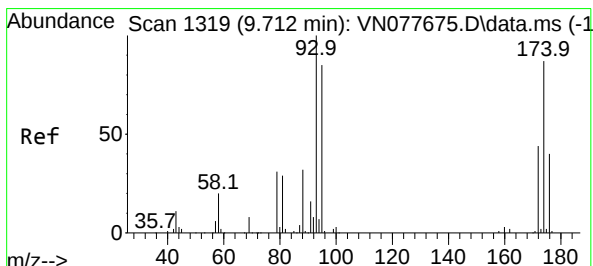
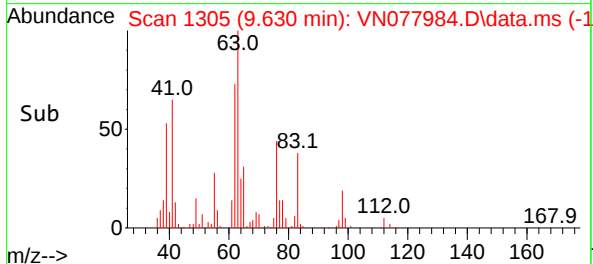
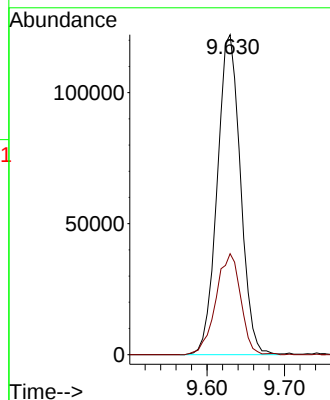
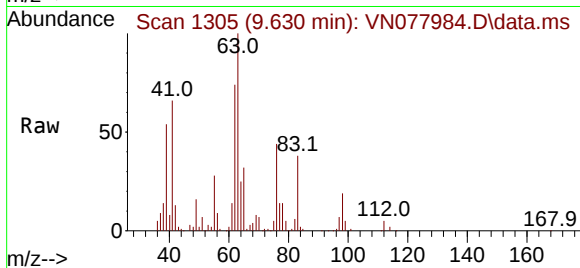
65 31.6 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#46

Dibromomethane

Concen: 53.501 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

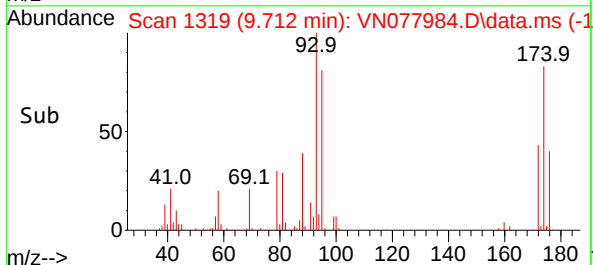
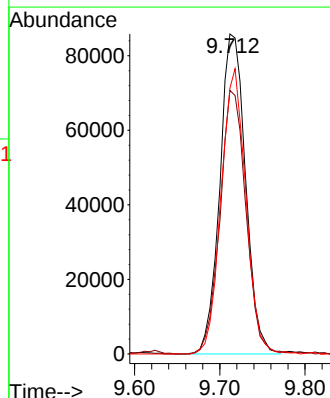
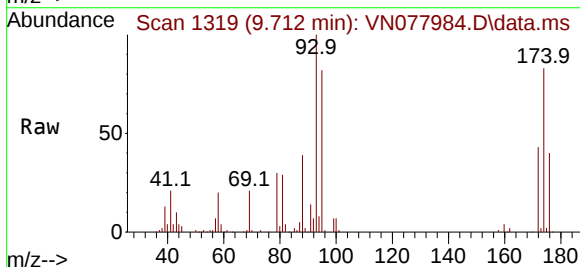
Tgt Ion: 93 Resp: 180056

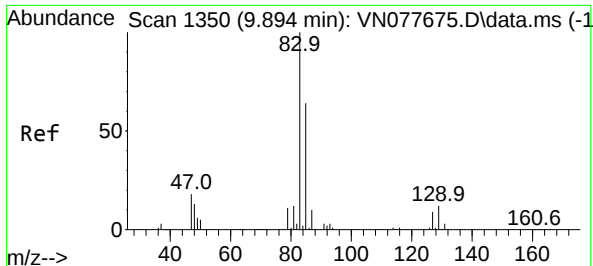
Ion Ratio Lower Upper

93 100

95 82.9 63.8 95.8

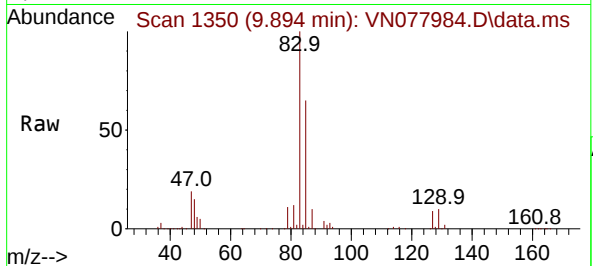
174 85.8 65.6 98.4





#47
Bromodichloromethane
Concen: 56.673 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

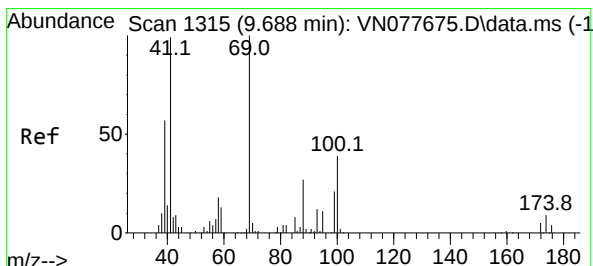
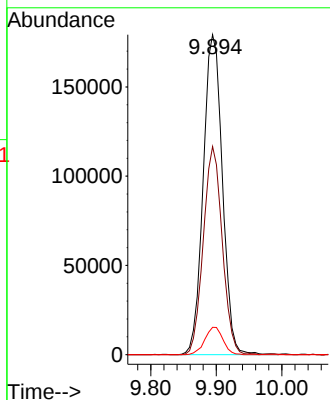
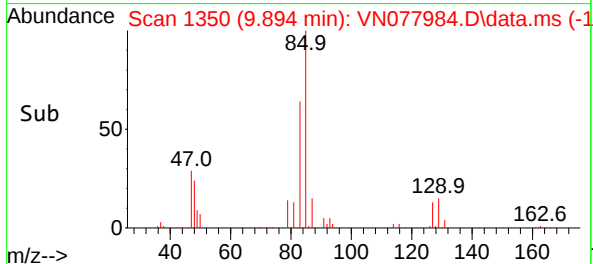
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



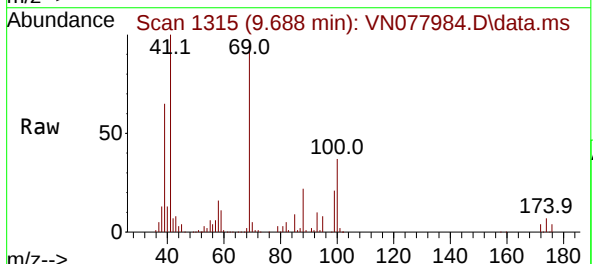
Tgt Ion: 83 Resp: 36515
Ion Ratio Lower Upper
83 100
85 65.1 49.6 74.4
127 8.6 7.0 10.6

Manual Integrations
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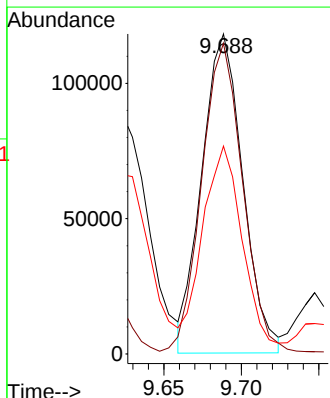
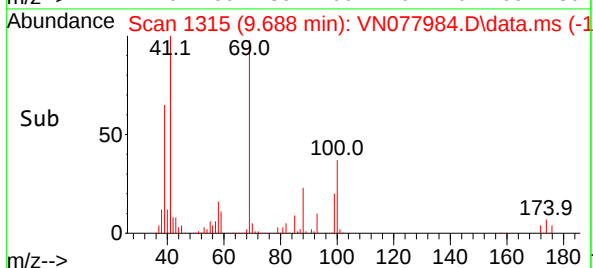
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

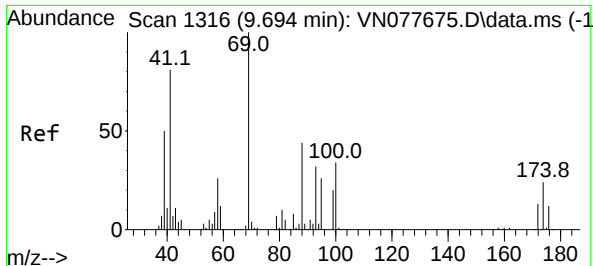


#48
Methyl methacrylate
Concen: 50.373 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion: 41 Resp: 217256
Ion Ratio Lower Upper
41 100
69 97.8 90.4 135.6
39 64.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1144.884 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 9326

Ion Ratio Lower Upper

88 100

43 24.9 17.0 25.6

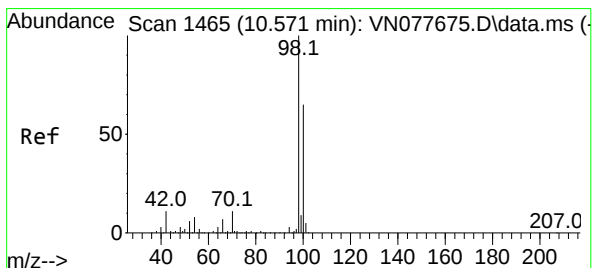
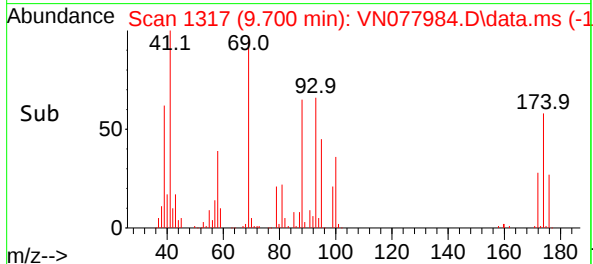
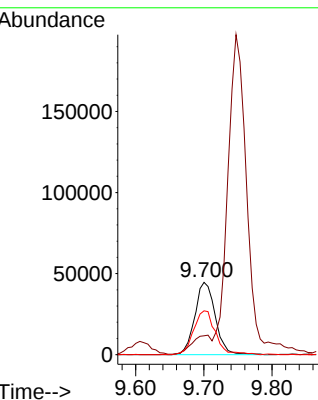
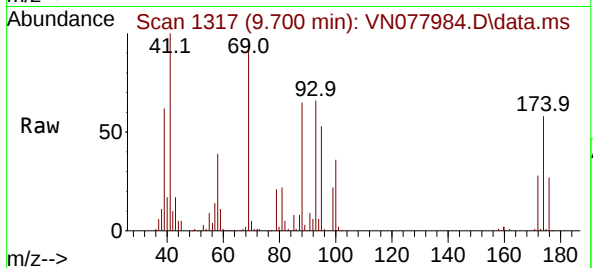
58 64.6 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#50

Toluene-d8

Concen: 49.508 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077984.D

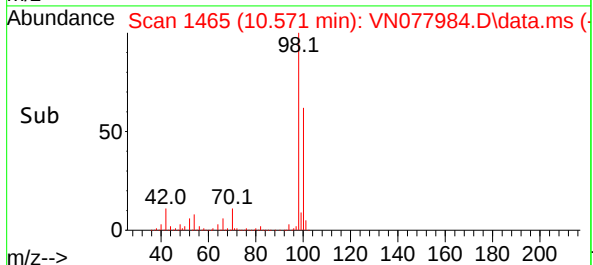
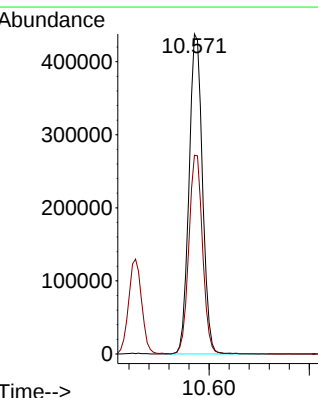
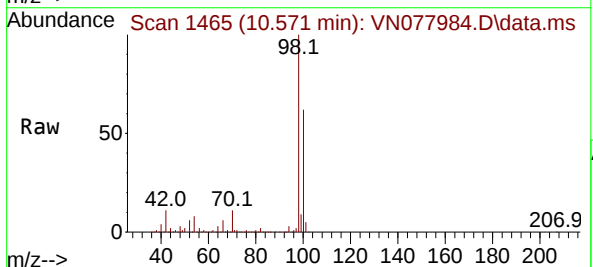
Acq: 31 May 2023 10:20

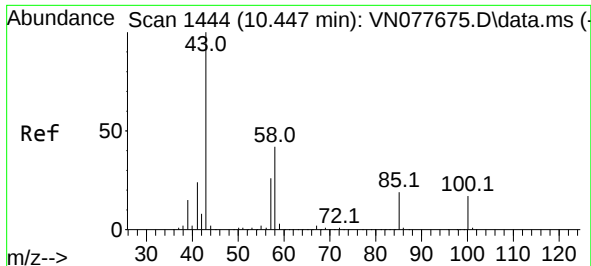
Tgt Ion: 98 Resp: 814072

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0





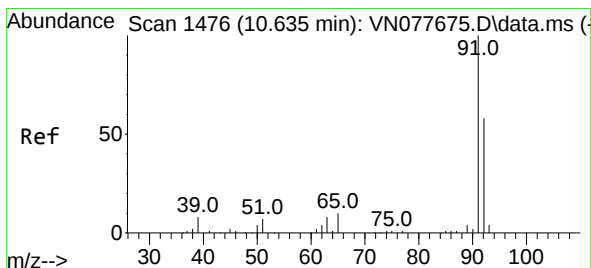
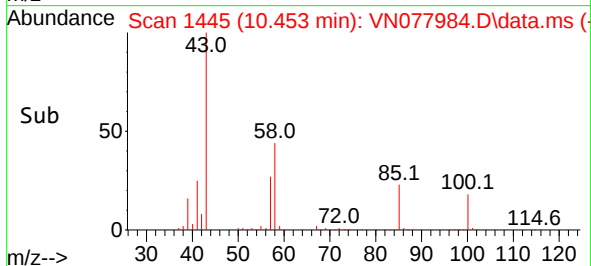
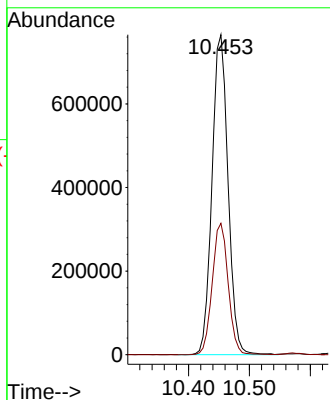
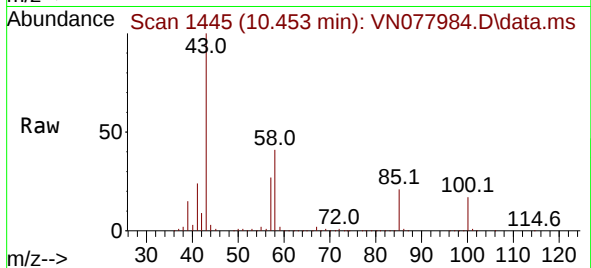
#51
4-Methyl-2-Pentanone
Concen: 258.578 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1398198
Ion Ratio Lower Upper
43 100
58 40.9 36.6 54.8

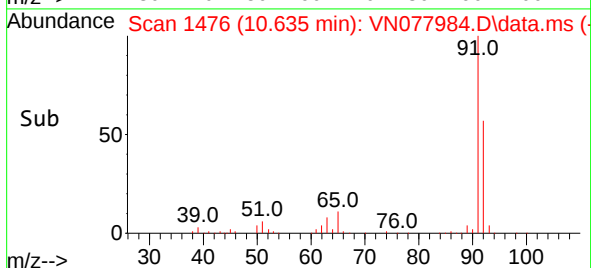
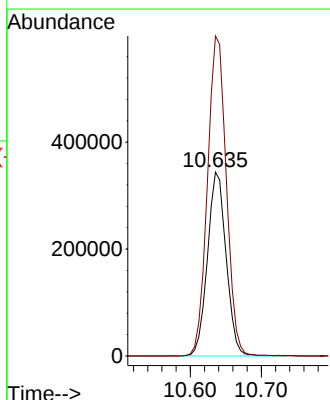
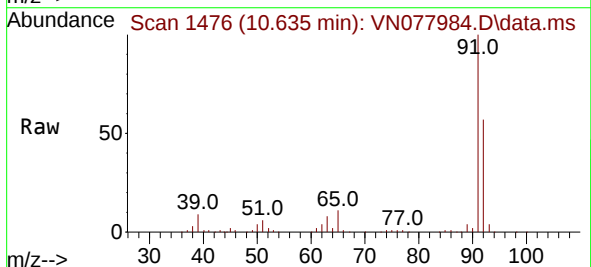
Manual Integrations
APPROVED

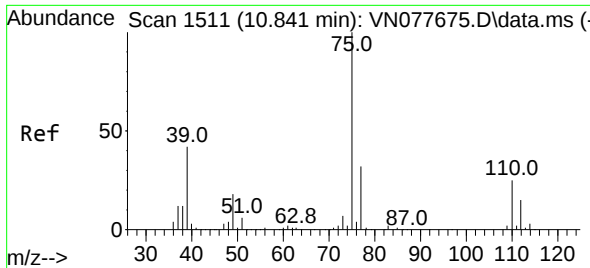
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#52
Toluene
Concen: 54.636 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

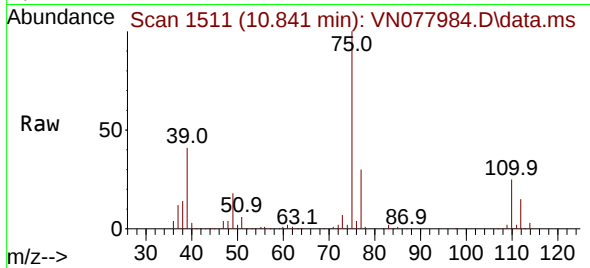
Tgt Ion: 92 Resp: 627176
Ion Ratio Lower Upper
92 100
91 176.5 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 55.716 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

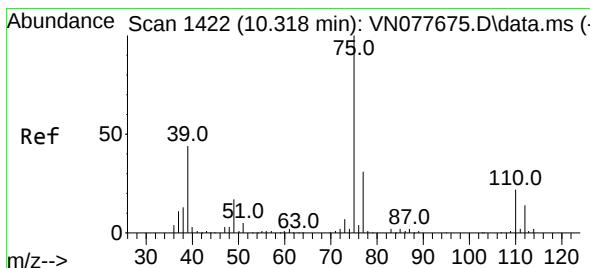
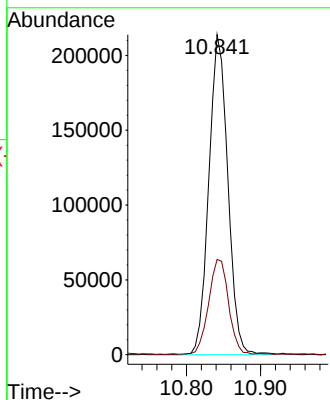
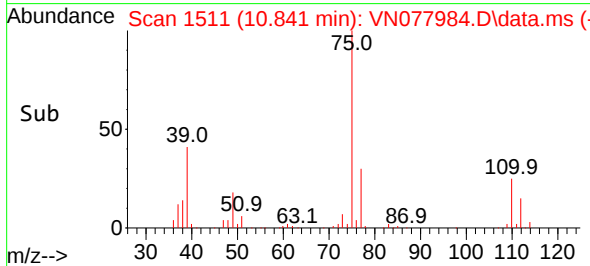
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 75 Resp: 38016
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.4 38.0

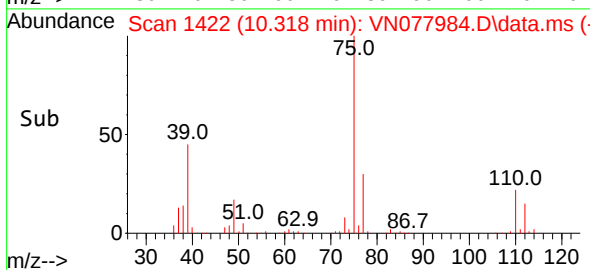
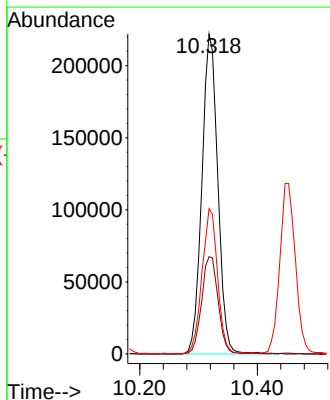
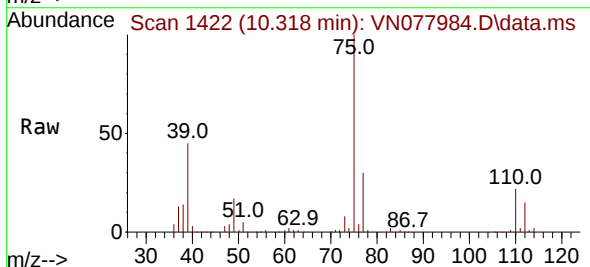
Manual Integrations
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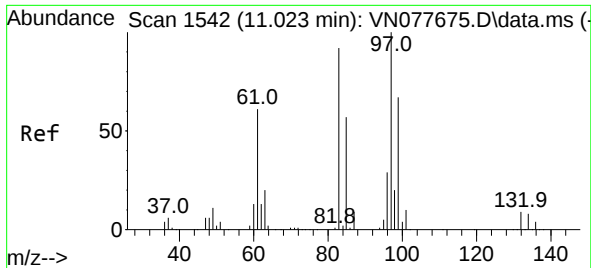
Reviewed By :John Carlone 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023



#54
 cis-1,3-Dichloropropene
 Concen: 55.374 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

Tgt Ion: 75 Resp: 416367
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.1 39.1
 39 45.2 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 55.184 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

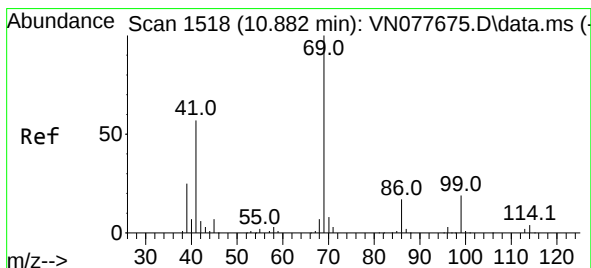
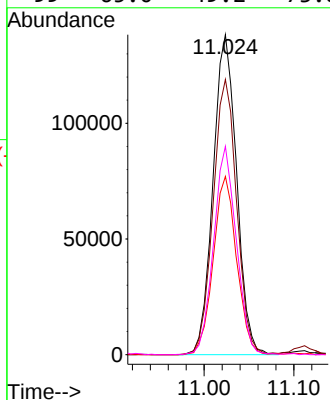
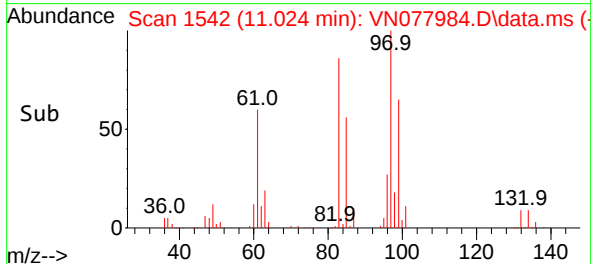
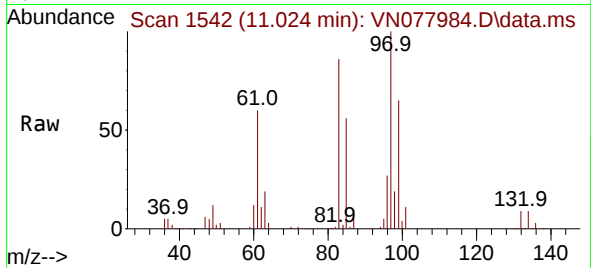
VSTDCCC050

Tgt Ion: 97 Resp: 25152
Ion Ratio Lower Upper
97 100
83 86.0 65.1 97.7
85 55.7 43.4 65.2
99 65.0 49.2 73.8

Manual Integrations

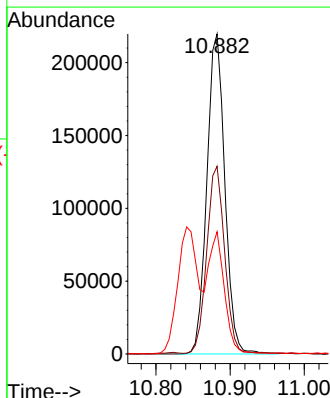
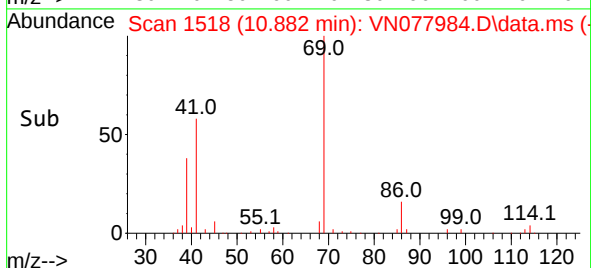
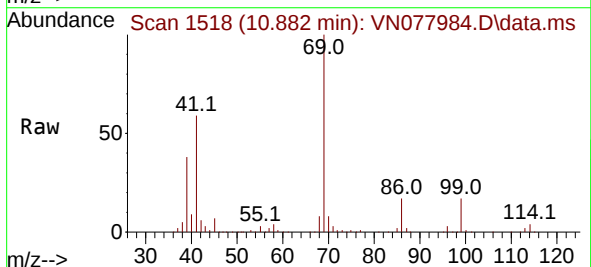
APPROVED

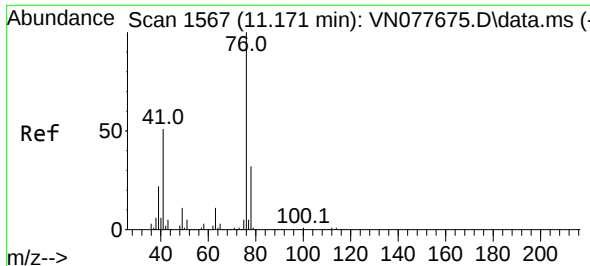
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#56
Ethyl methacrylate
Concen: 53.685 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion: 69 Resp: 369969
Ion Ratio Lower Upper
69 100
41 58.4 39.6 59.4
39 32.8 28.6 43.0





#57

1,3-Dichloropropane

Concen: 53.941 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 42148

Ion Ratio Lower Upper

76 100

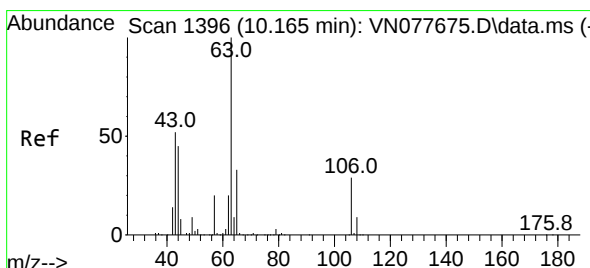
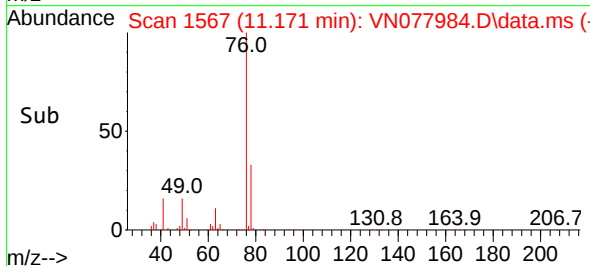
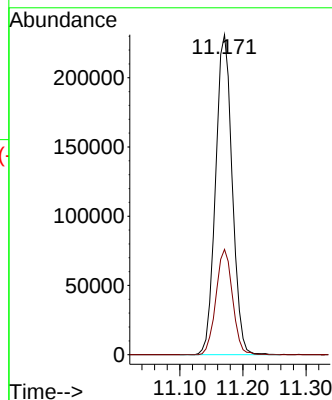
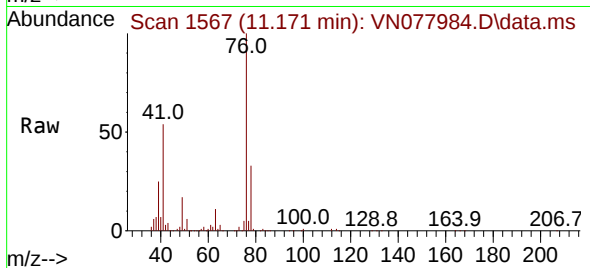
78 32.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#58

2-Chloroethyl Vinyl ether

Concen: 214.496 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077984.D

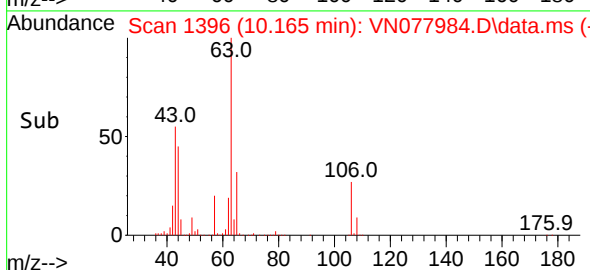
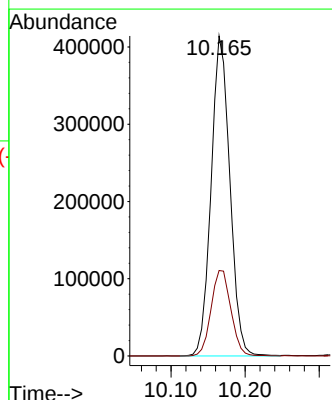
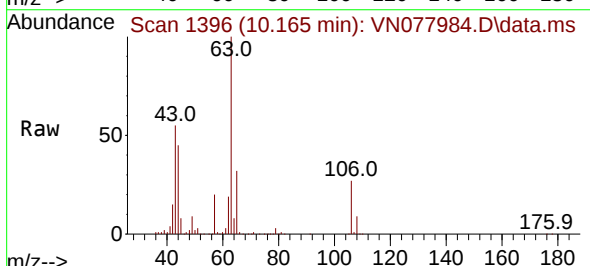
Acq: 31 May 2023 10:20

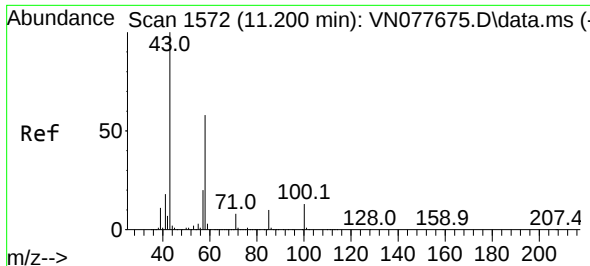
Tgt Ion: 63 Resp: 727221

Ion Ratio Lower Upper

63 100

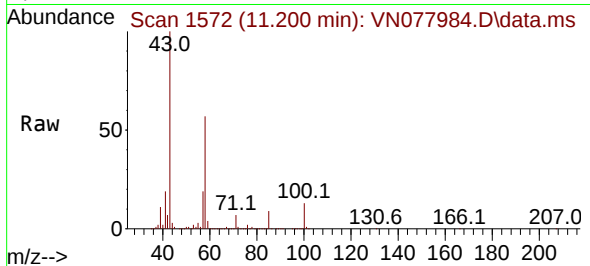
106 28.2 26.2 39.4





#59
2-Hexanone
Concen: 246.407 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

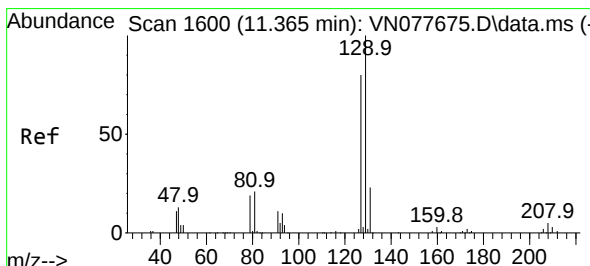
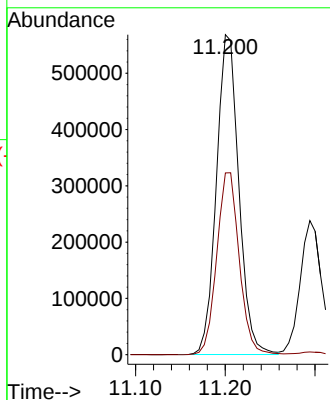
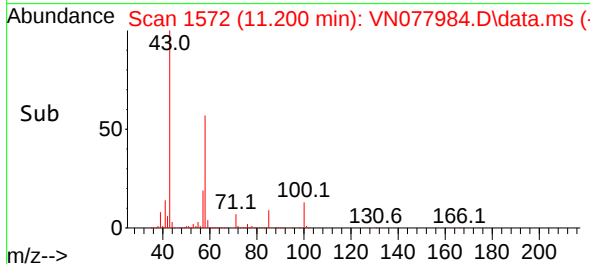
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 985514
Ion Ratio Lower Upper
43 100
58 57.2 31.7 95.1

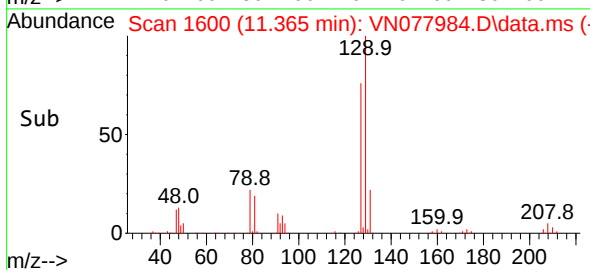
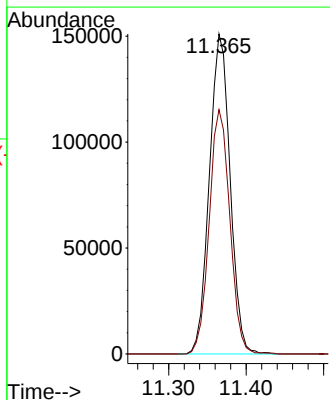
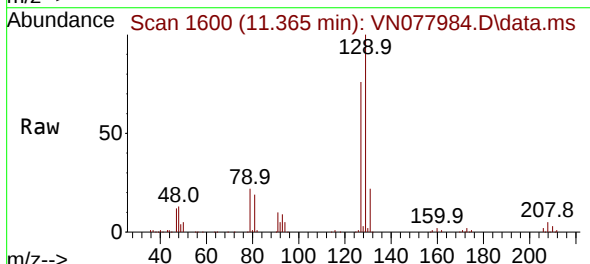
Manual Integrations
APPROVED

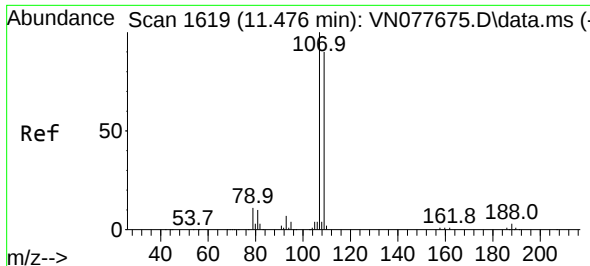
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#60
Dibromochloromethane
Concen: 59.667 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

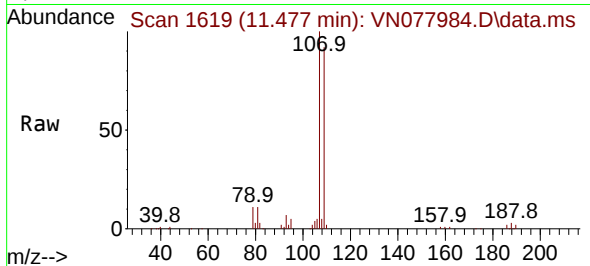
Tgt Ion:129 Resp: 280755
Ion Ratio Lower Upper
129 100
127 75.9 38.6 116.0





#61
1,2-Dibromoethane
Concen: 57.078 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

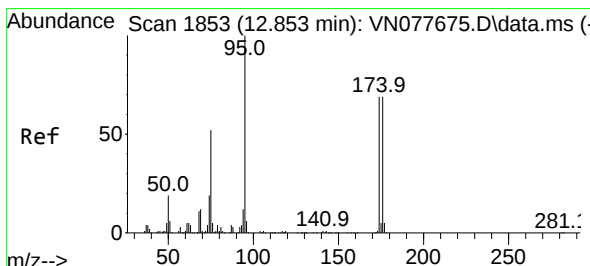
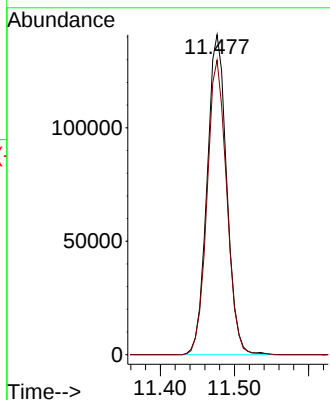
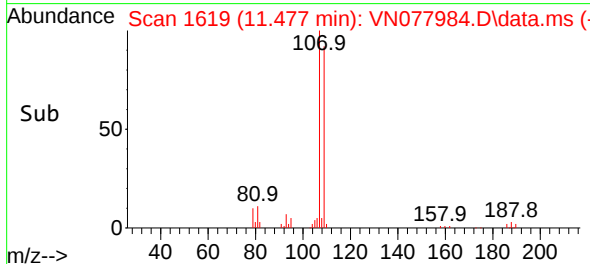
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



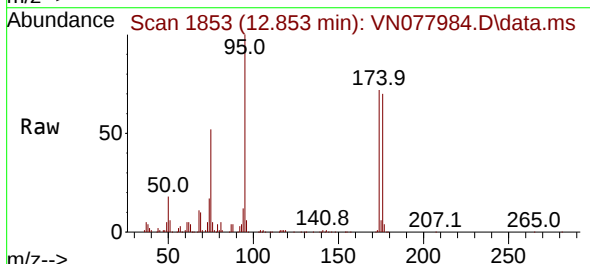
Tgt Ion:107 Resp: 25953
Ion Ratio Lower Upper
107 100
109 91.9 76.6 114.8

Manual Integrations
APPROVED

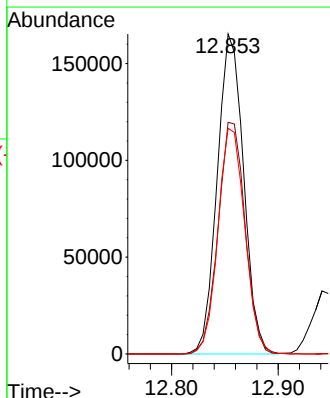
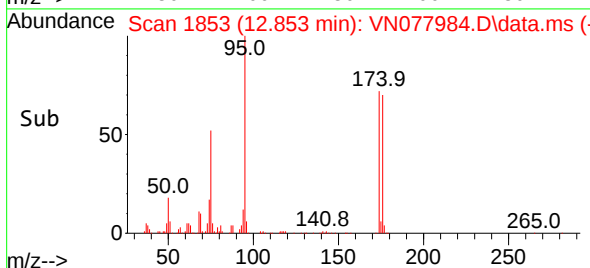
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

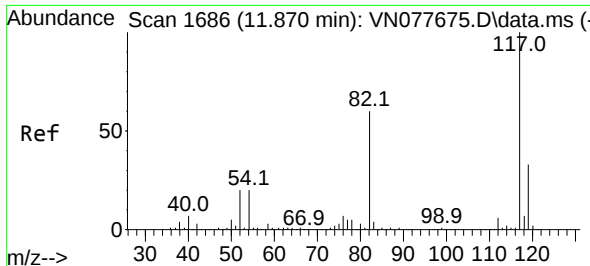


#62
4-Bromofluorobenzene
Concen: 48.893 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



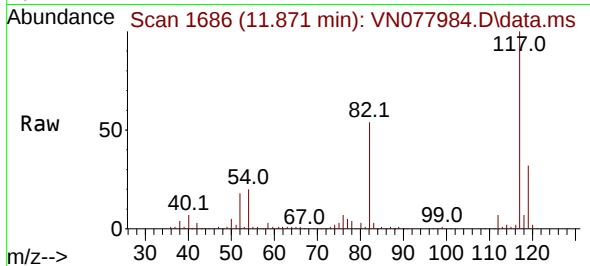
Tgt Ion: 95 Resp: 283938
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 71.8 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

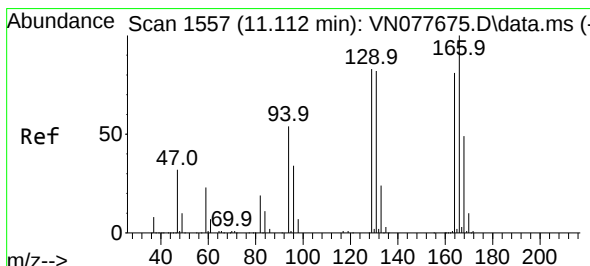
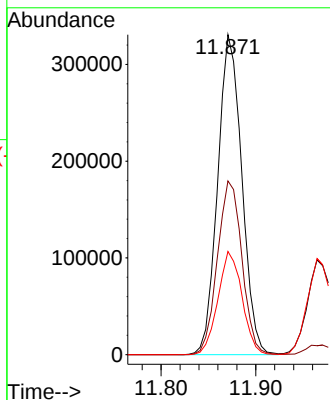
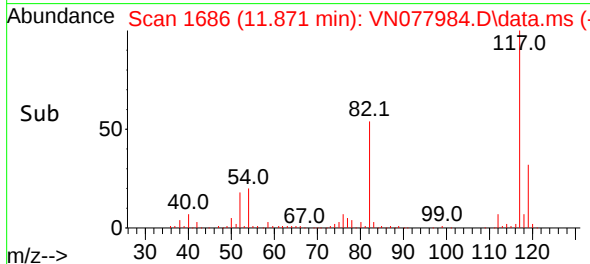
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 58625
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 32.2 25.6 38.4

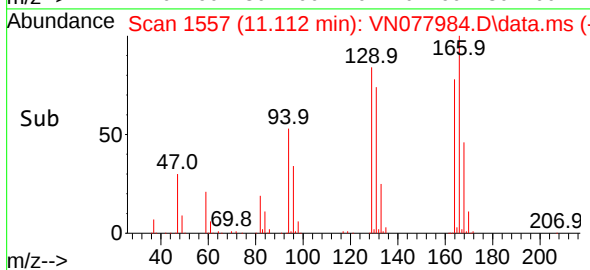
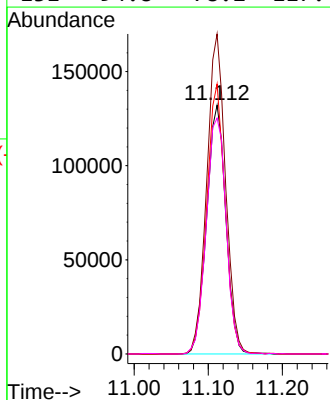
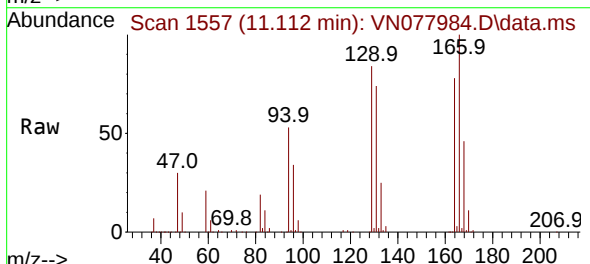
Manual Integrations
APPROVED

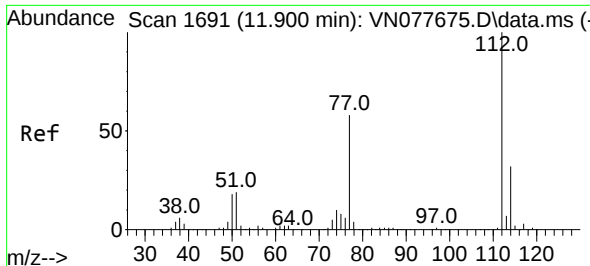
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#64
Tetrachloroethene
Concen: 57.946 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

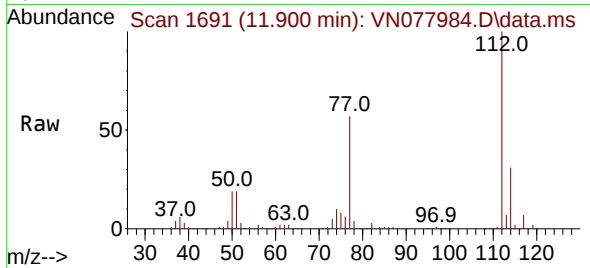
Tgt Ion:164 Resp: 237567
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.0
129 108.5 82.4 123.6
131 94.8 78.2 117.4





#65
Chlorobenzene
Concen: 53.415 ug/l
RT: 11.900 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

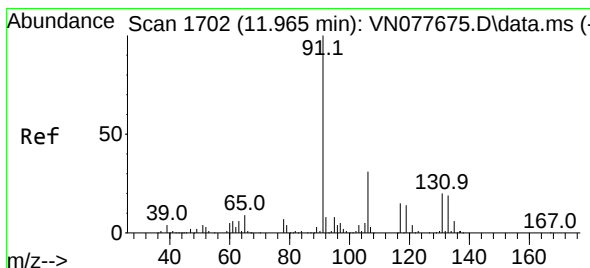
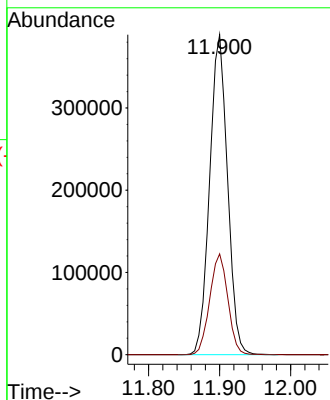
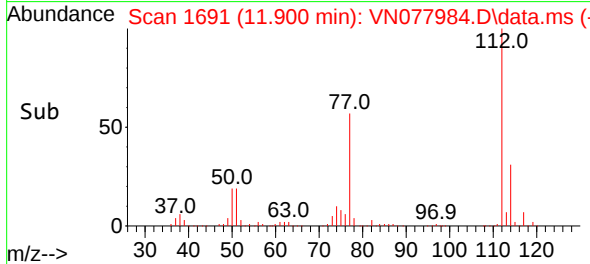
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



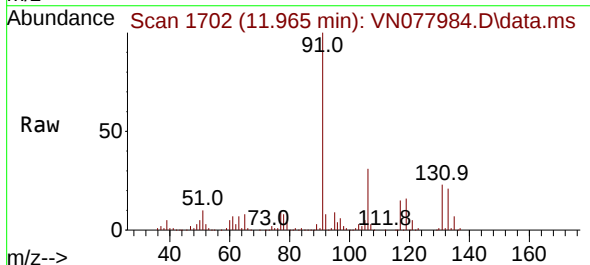
Tgt Ion:112 Resp: 67887
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4

Manual Integrations
APPROVED

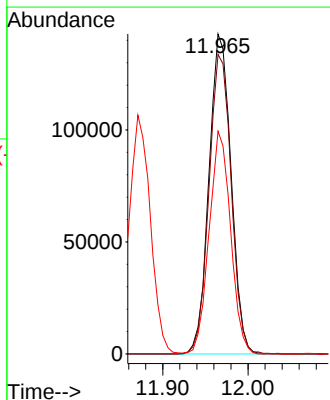
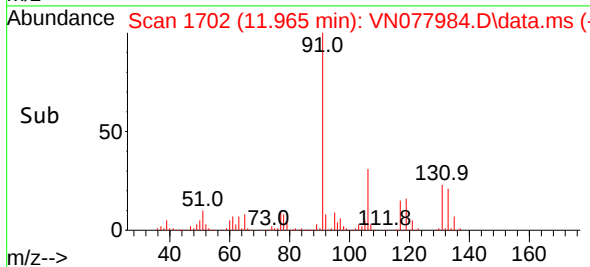
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

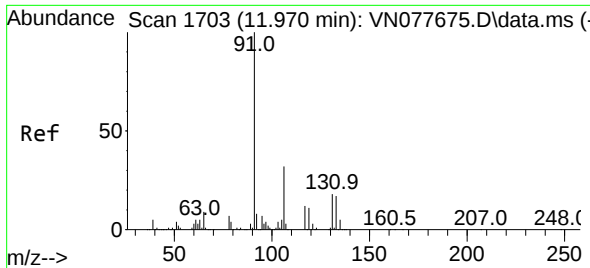


#66
1,1,1,2-Tetrachloroethane
Concen: 58.400 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion:131 Resp: 256819
Ion Ratio Lower Upper
131 100
133 94.5 46.4 139.1
119 67.6 34.1 102.2





#67

Ethyl Benzene

Concen: 53.698 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1223010

Ion Ratio Lower Upper

91 100

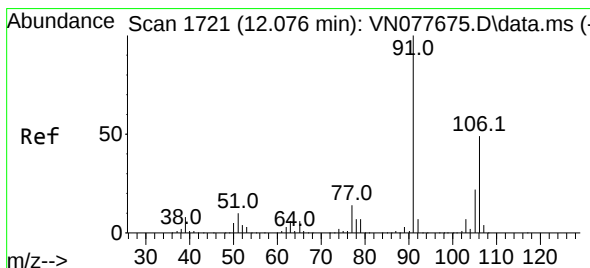
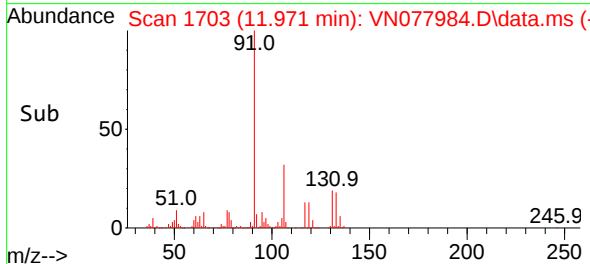
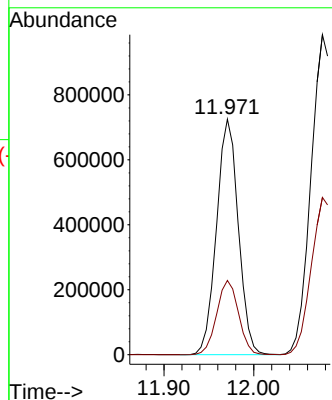
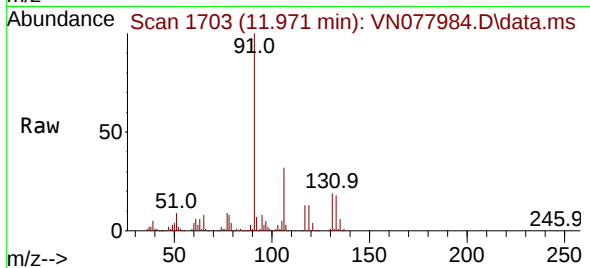
106 31.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#68

m/p-Xylenes

Concen: 108.373 ug/l

RT: 12.077 min Scan# 1721

Delta R.T. 0.001 min

Lab File: VN077984.D

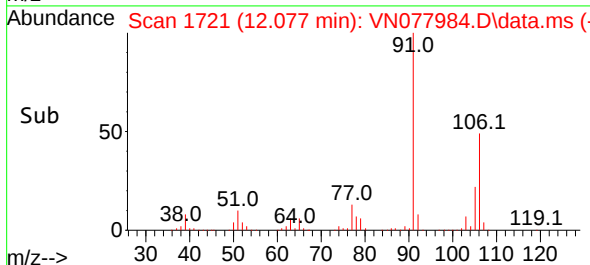
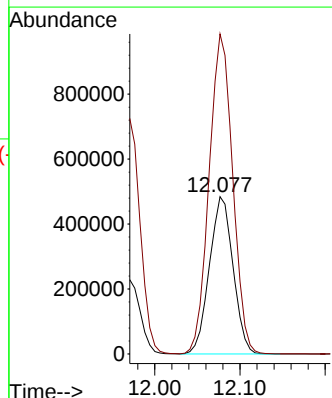
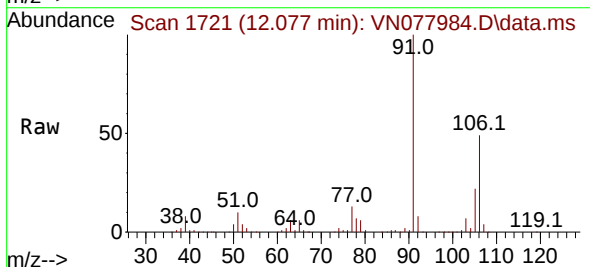
Acq: 31 May 2023 10:20

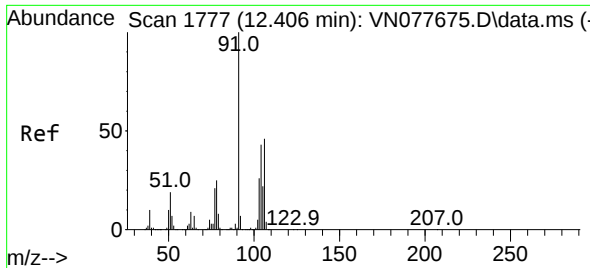
Tgt Ion:106 Resp: 935255

Ion Ratio Lower Upper

106 100

91 203.2 159.6 239.4





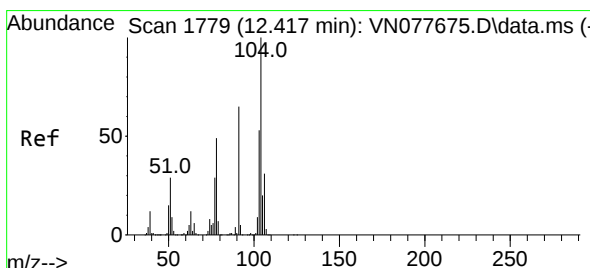
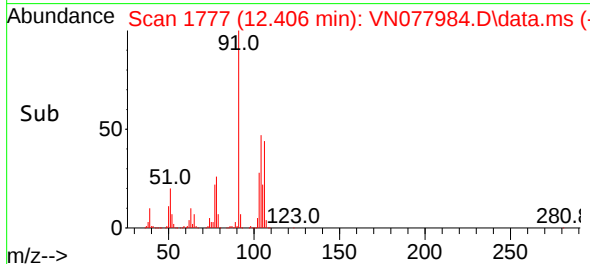
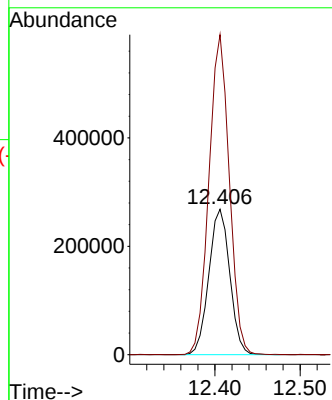
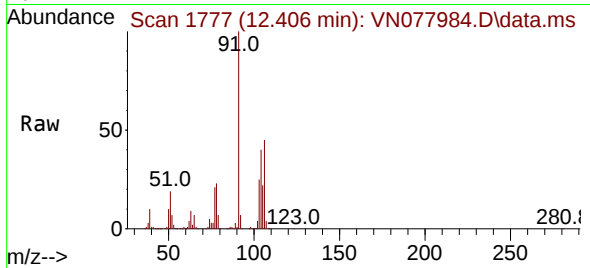
#69
o-Xylene
Concen: 53.960 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 457963
Ion Ratio Lower Upper
106 100
91 214.4 105.2 315.5

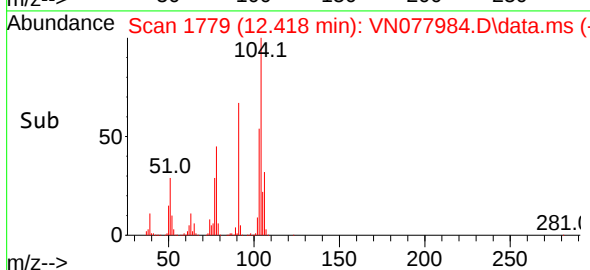
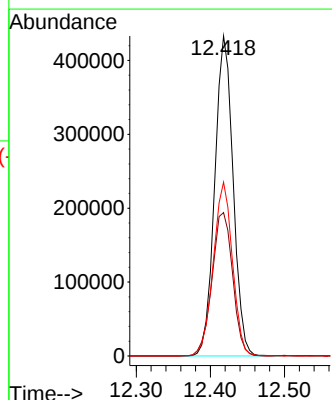
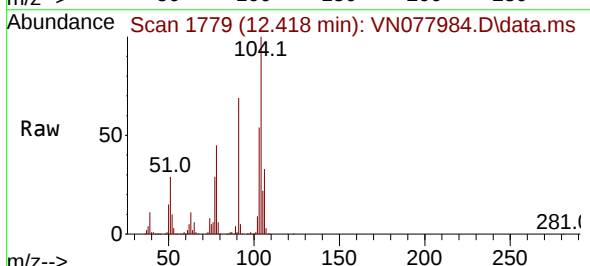
Manual Integrations
APPROVED

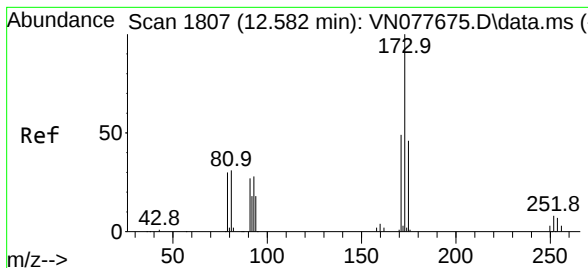
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#70
Styrene
Concen: 55.275 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion:104 Resp: 745241
Ion Ratio Lower Upper
104 100
78 50.2 39.5 59.3
103 56.7 43.2 64.8





#71

Bromoform

Concen: 60.039 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 175640

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

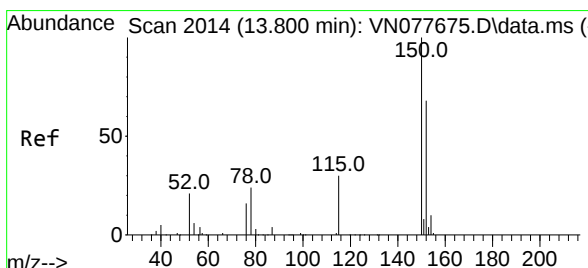
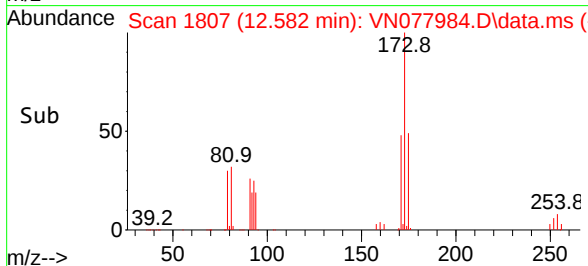
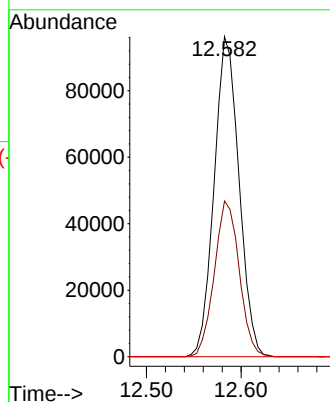
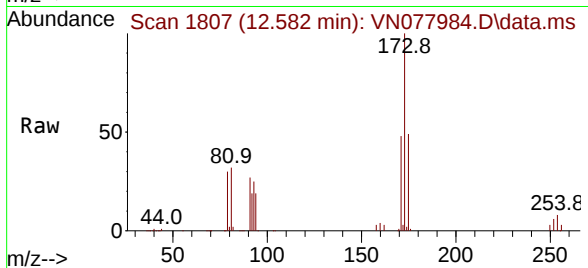
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

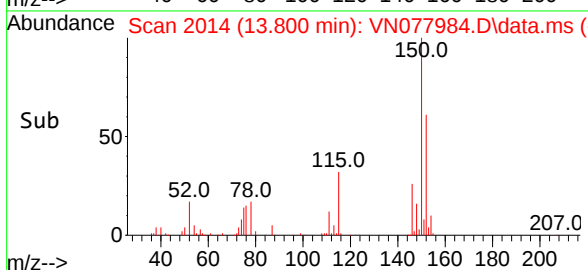
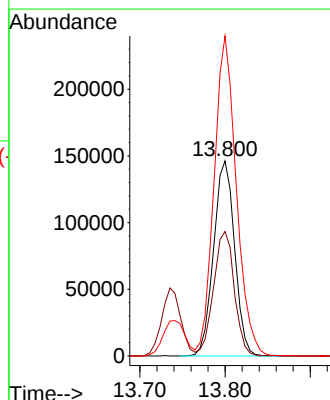
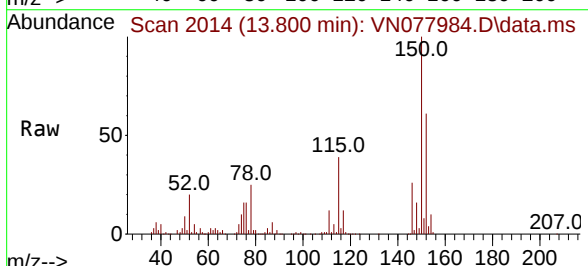
Tgt Ion:152 Resp: 250089

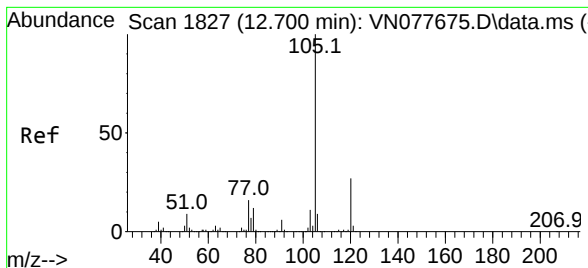
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 174.2 0.0 355.8





#73

Isopropylbenzene

Concen: 54.833 ug/l

RT: 12.700 min Scan# 118208

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 118208

Ion Ratio Lower Upper

105 100

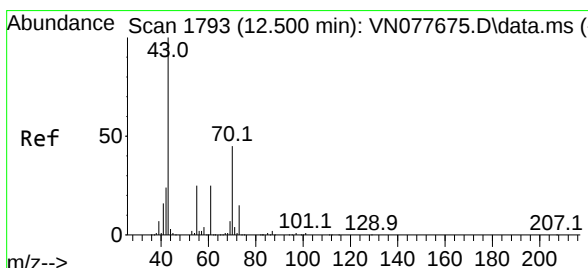
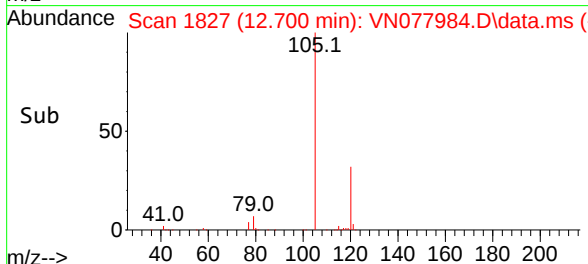
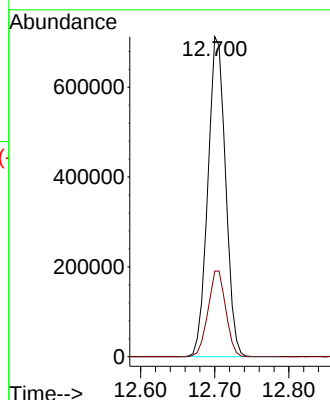
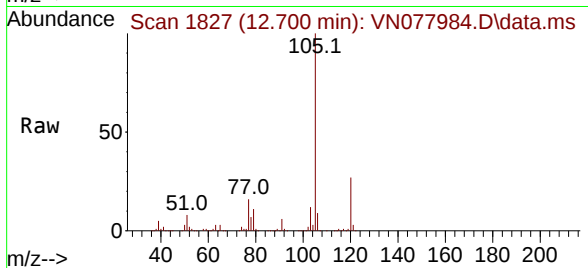
120 26.8 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#74

N-ethyl acetate

Concen: 47.073 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Tgt Ion: 43 Resp: 375098

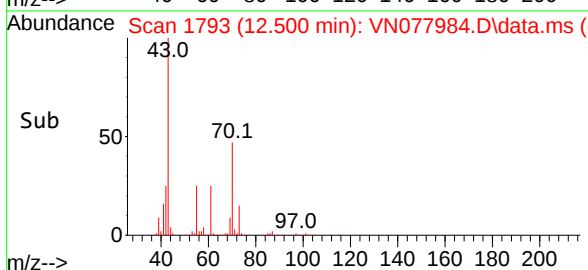
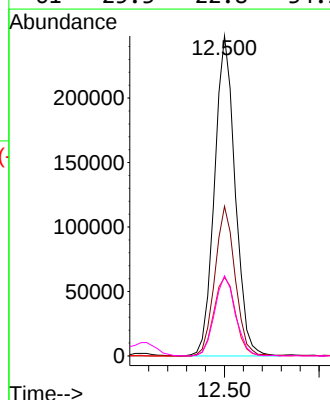
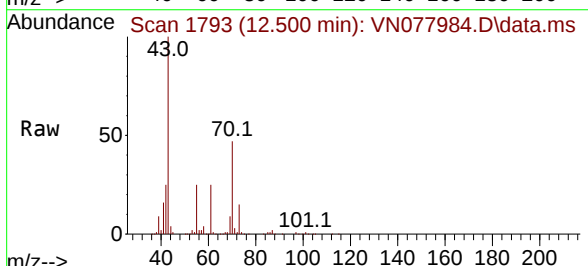
Ion Ratio Lower Upper

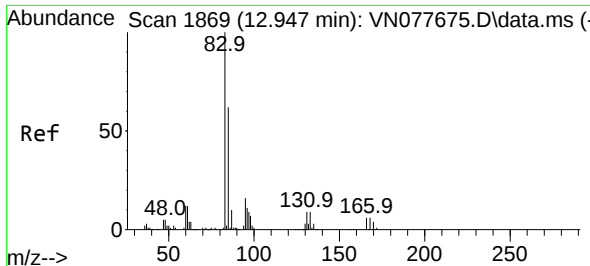
43 100

70 46.1 43.4 65.2

55 25.9 21.4 32.0

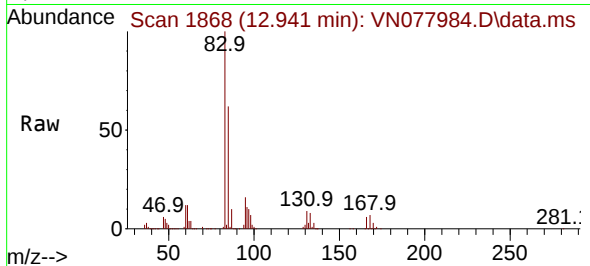
61 25.3 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 52.415 ug/l
RT: 12.941 min Scan# 1869
Delta R.T. -0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

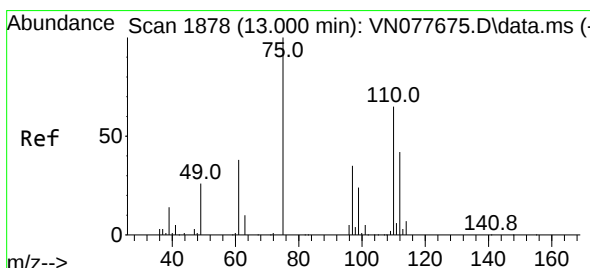
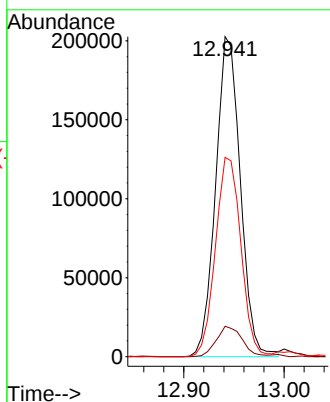
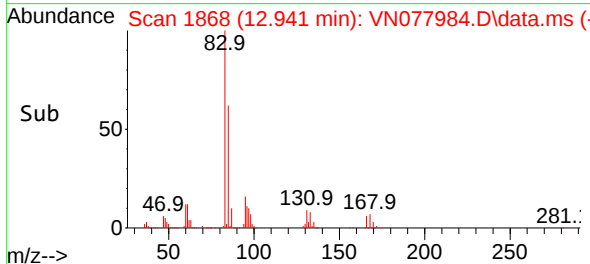
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 34761
Ion Ratio Lower Upper
83 100
131 9.9 5.0 15.0
85 63.9 31.9 95.7

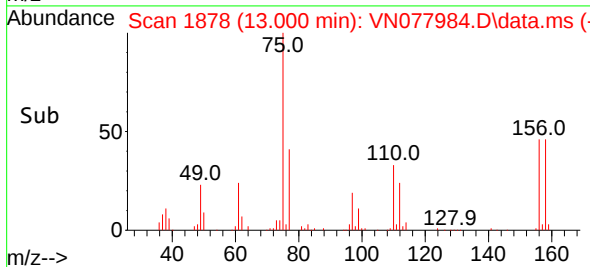
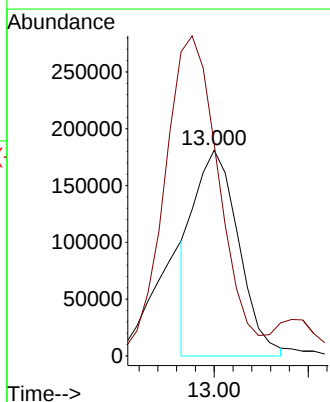
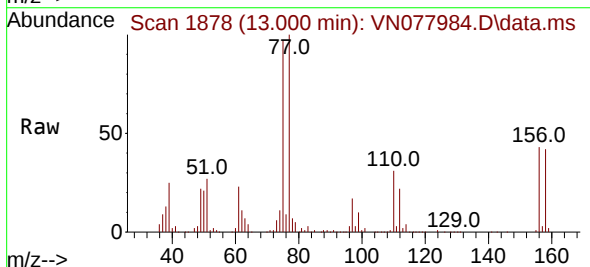
Manual Integrations
APPROVED

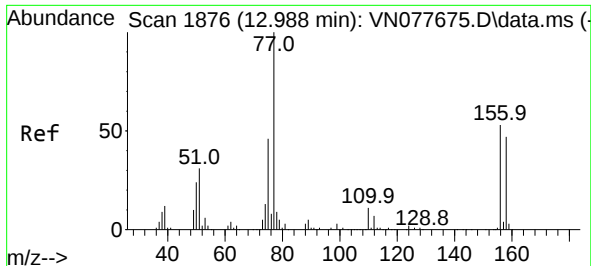
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#76
1,2,3-Trichloropropane
Concen: 47.751 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

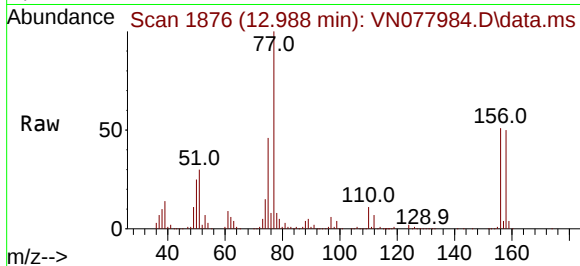
Tgt Ion: 75 Resp: 299072
Ion Ratio Lower Upper
75 100
77 189.6 84.5 253.5





#77
Bromobenzene
Concen: 52.983 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

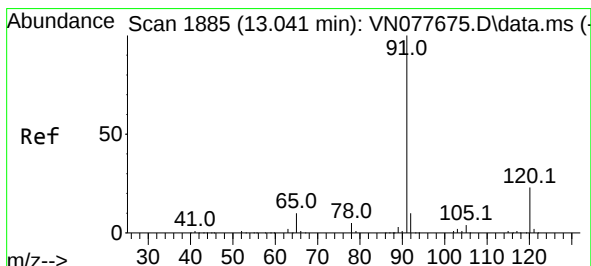
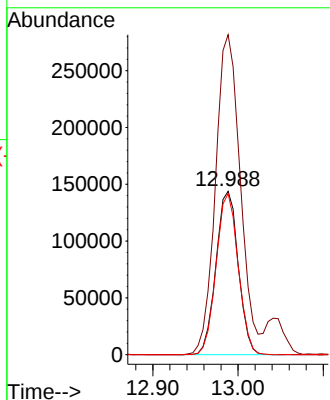
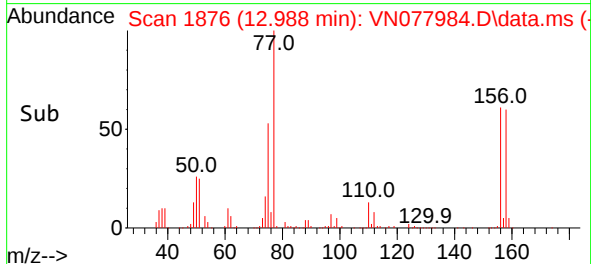
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



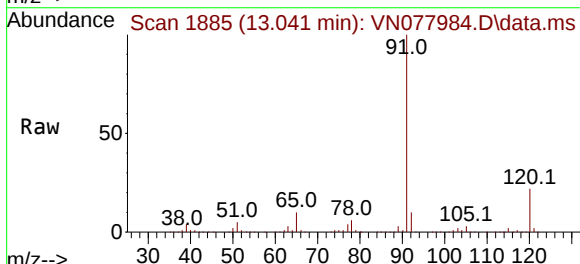
Tgt Ion:156 Resp: 26065
Ion Ratio Lower Upper
156 100
77 217.5 107.7 323.3
158 97.5 48.4 145.3

Manual Integrations
APPROVED

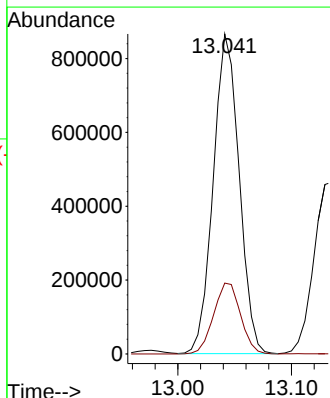
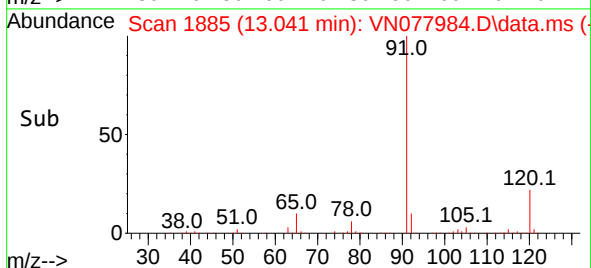
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

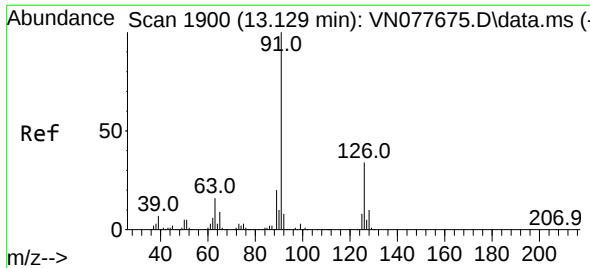


#78
n-propylbenzene
Concen: 53.890 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion: 91 Resp: 1369626
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4





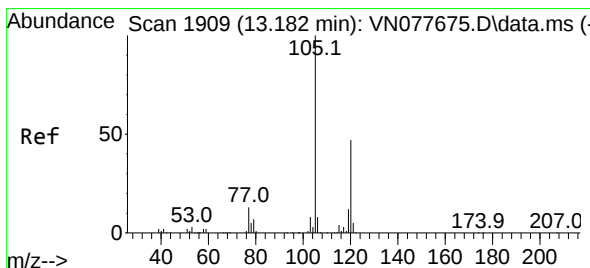
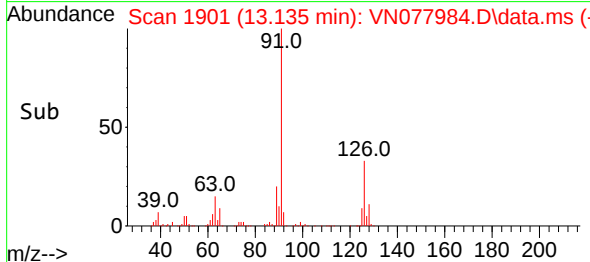
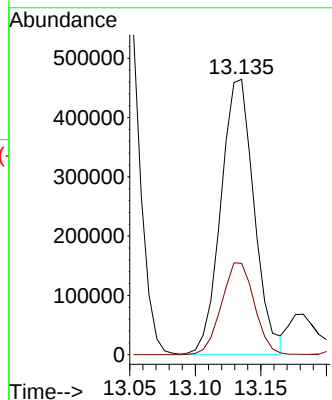
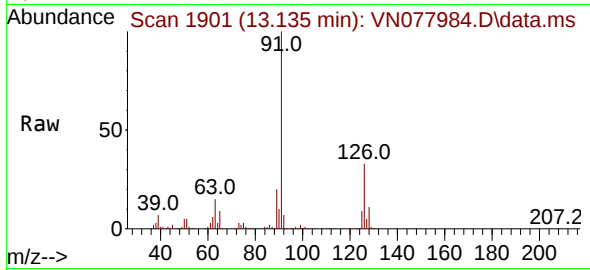
#79
2-Chlorotoluene
Concen: 53.872 ug/l
RT: 13.135 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 817002
Ion Ratio Lower Upper
91 100
126 33.1 16.3 48.8

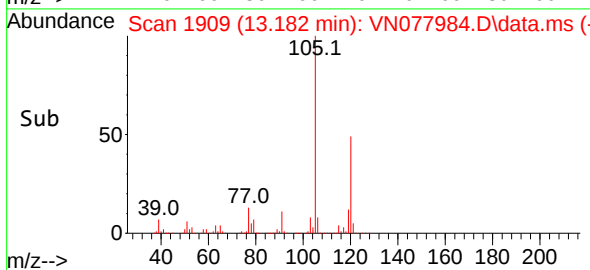
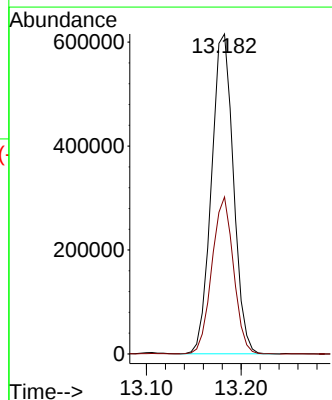
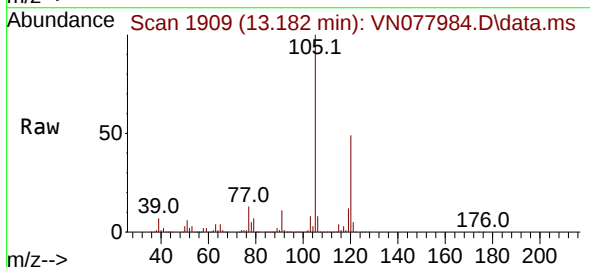
Manual Integrations
APPROVED

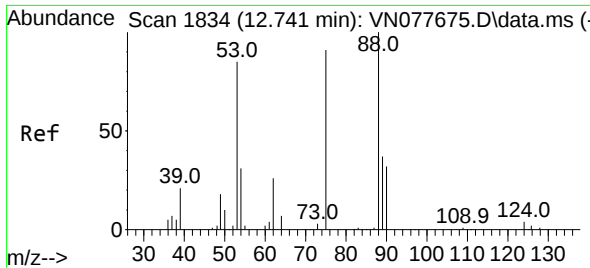
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#80
1,3,5-Trimethylbenzene
Concen: 54.566 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

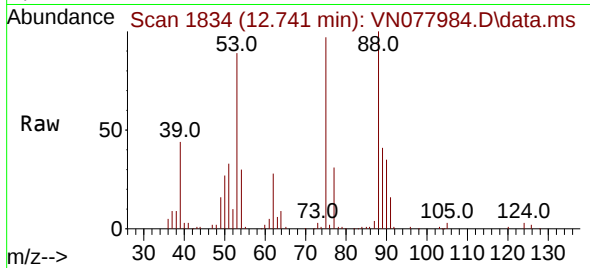
Tgt Ion:105 Resp: 988663
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 52.806 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

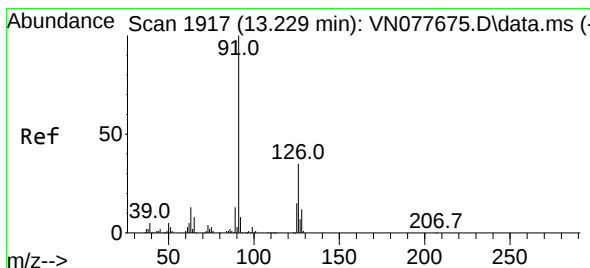
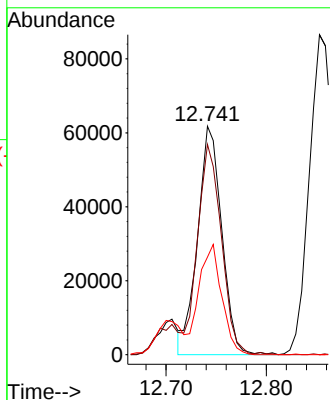
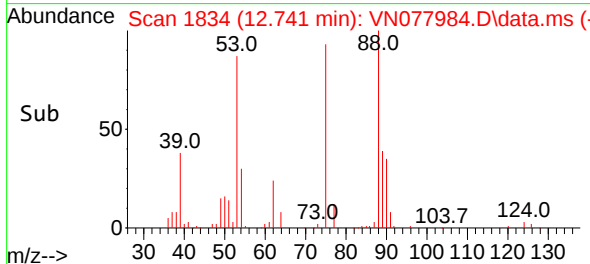
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



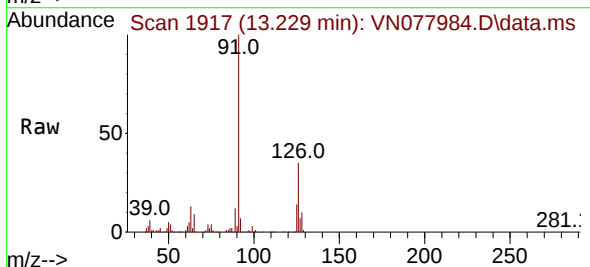
Tgt Ion: 75 Resp: 103460
Ion Ratio Lower Upper
75 100
53 89.0 67.4 101.2
89 46.3 38.8 58.2

Manual Integrations
APPROVED

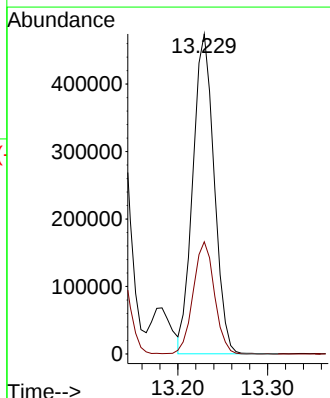
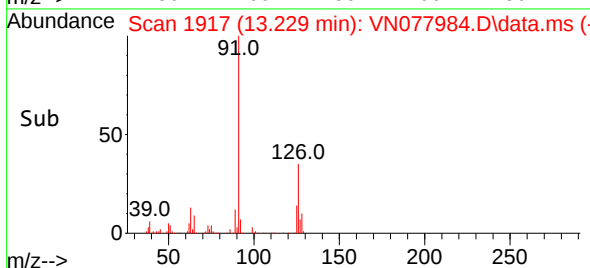
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023

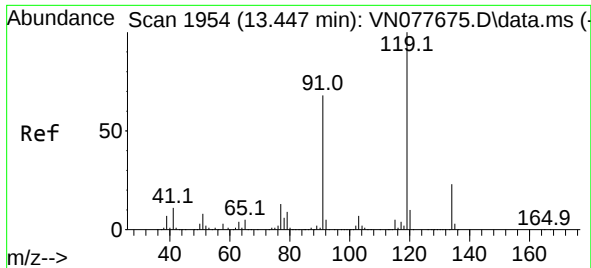


#82
4-Chlorotoluene
Concen: 51.659 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion: 91 Resp: 779499
Ion Ratio Lower Upper
91 100
126 35.0 16.7 50.0





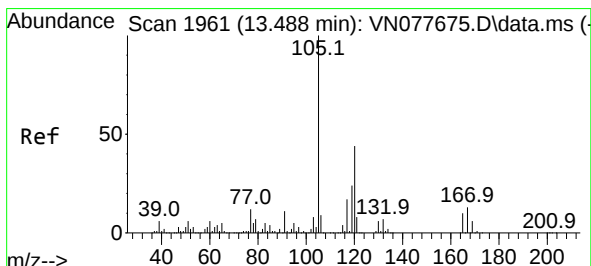
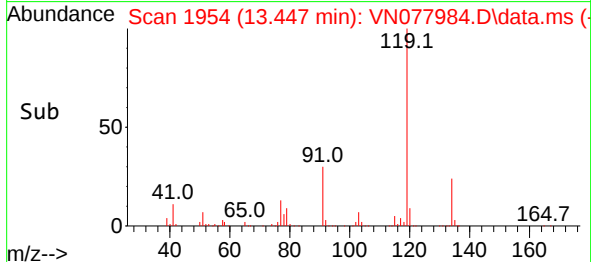
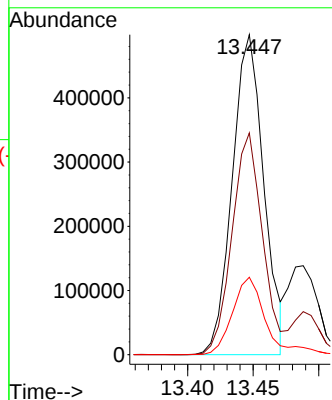
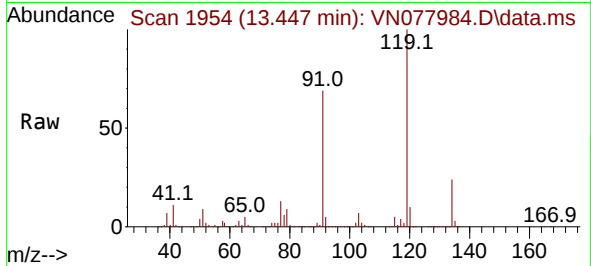
#83
tert-Butylbenzene
Concen: 52.713 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 83377
Ion Ratio Lower Upper
119 100
91 68.3 33.9 101.7
134 25.5 13.2 39.6

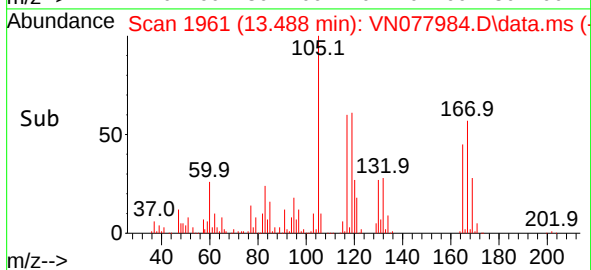
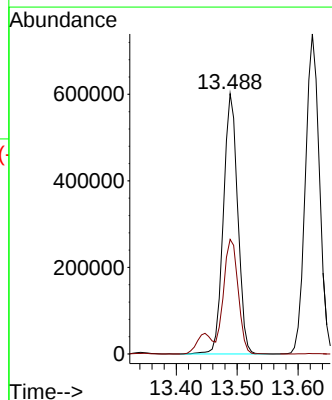
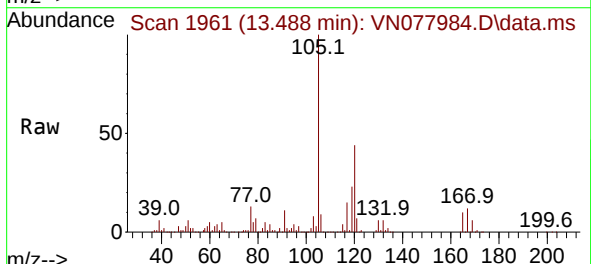
Manual Integrations
APPROVED

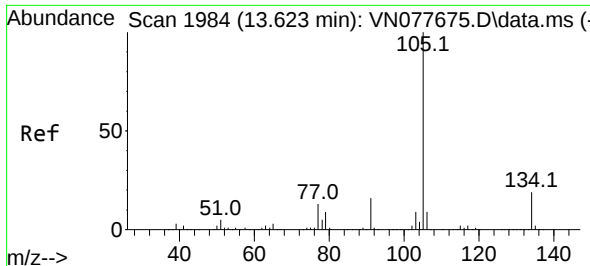
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#84
1,2,4-Trimethylbenzene
Concen: 55.129 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion:105 Resp: 982354
Ion Ratio Lower Upper
105 100
120 44.4 22.0 66.0





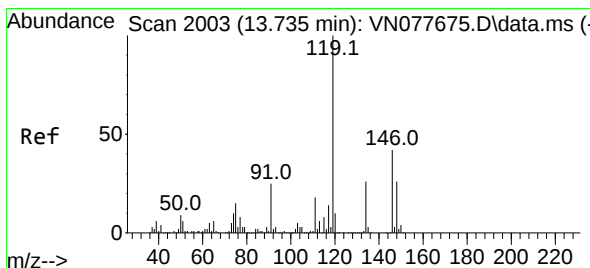
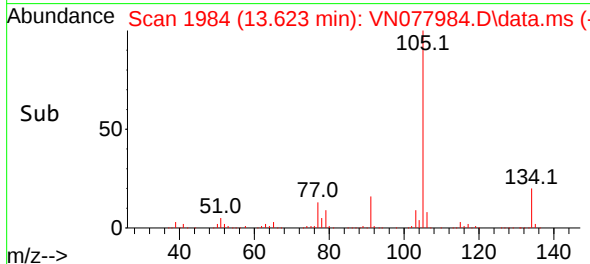
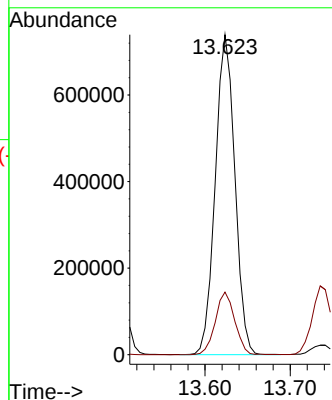
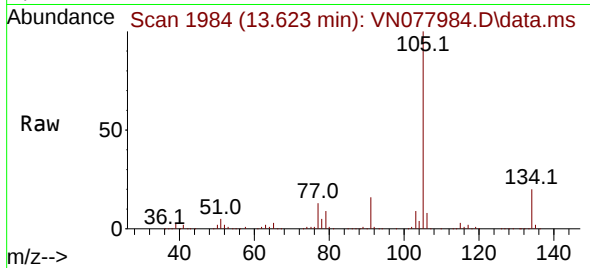
#85
 sec-Butylbenzene
 Concen: 52.539 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1181030
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.3

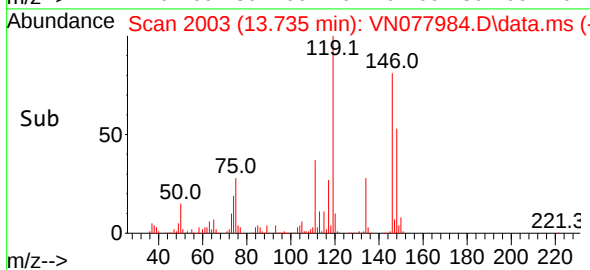
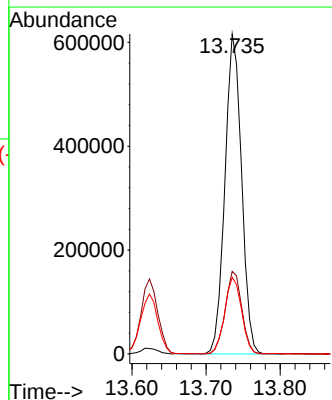
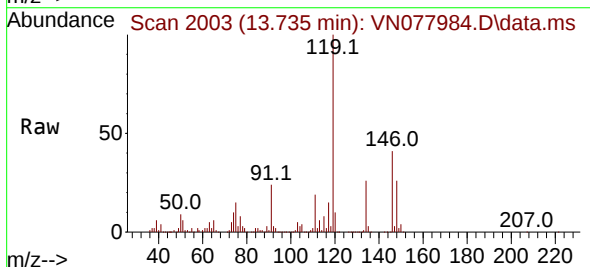
Manual Integrations
 APPROVED

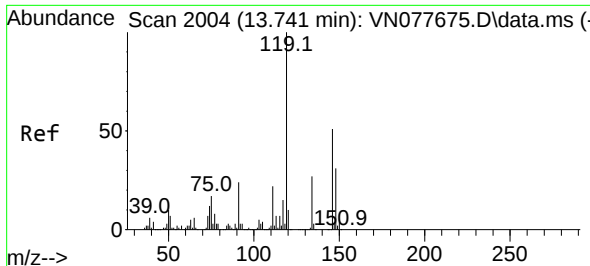
Reviewed By :John Carlone 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023



#86
 p-Isopropyltoluene
 Concen: 53.474 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077984.D
 Acq: 31 May 2023 10:20

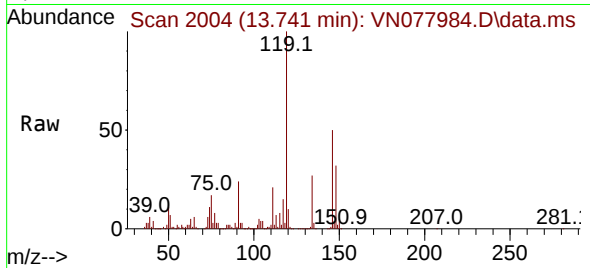
Tgt Ion:119 Resp: 958314
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.6 37.8
 91 24.1 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 51.714 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

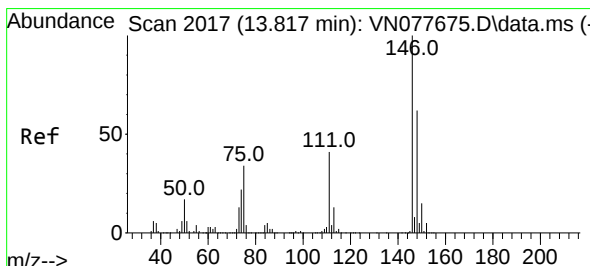
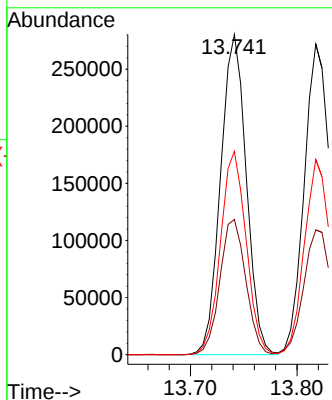
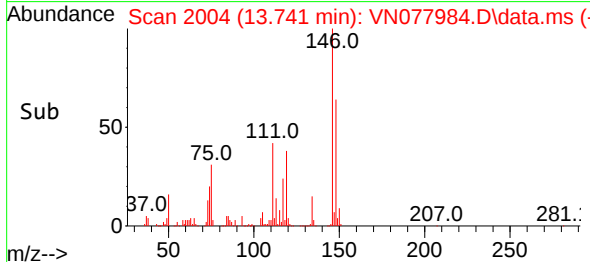
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 470500
Ion Ratio Lower Upper
146 100
111 42.6 22.1 66.3
148 63.3 32.0 96.0

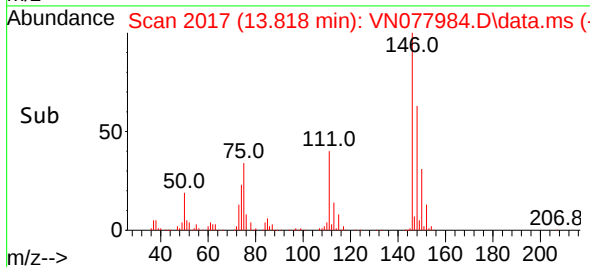
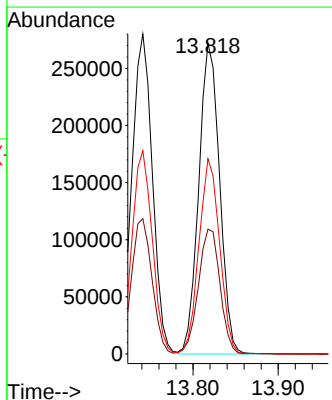
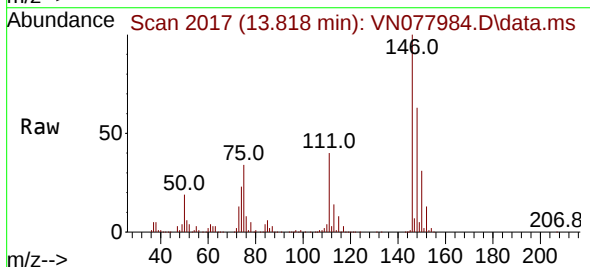
Manual Integrations
APPROVED

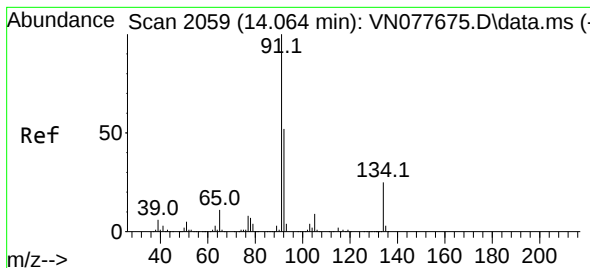
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#88
1,4-Dichlorobenzene
Concen: 51.202 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion:146 Resp: 462262
Ion Ratio Lower Upper
146 100
111 41.5 20.6 61.8
148 62.4 31.6 94.8





#89

n-Butylbenzene

Concen: 48.100 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

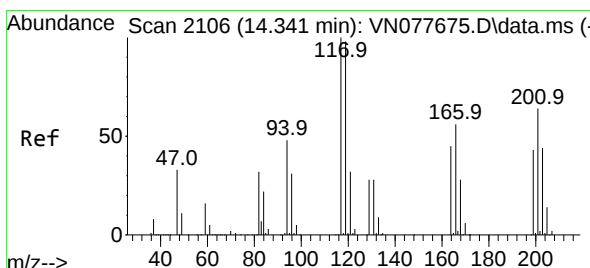
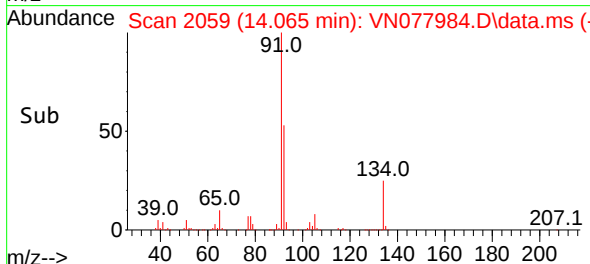
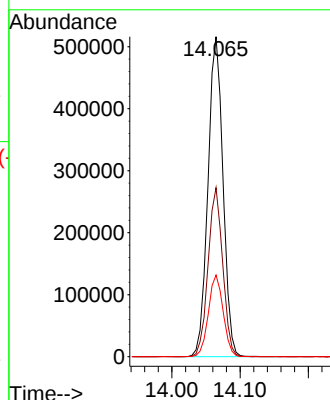
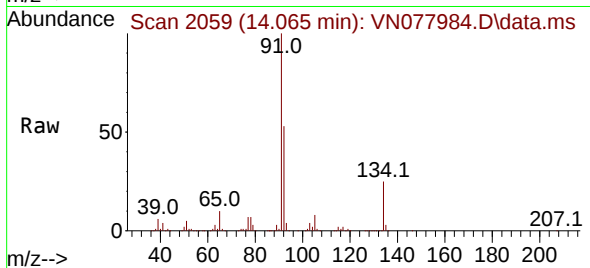
Tgt Ion:	91	Resp:	79285
Ion Ratio	Lower	Upper	
91	100		
92	51.3	26.4	79.0
134	25.0	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#90

Hexachloroethane

Concen: 56.717 ug/l

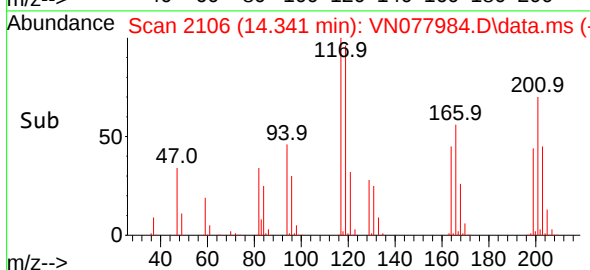
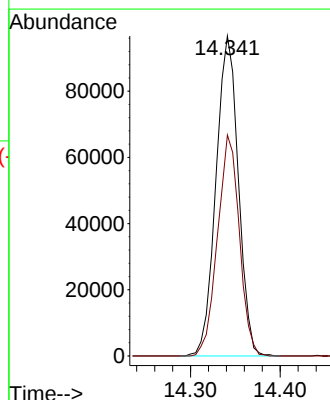
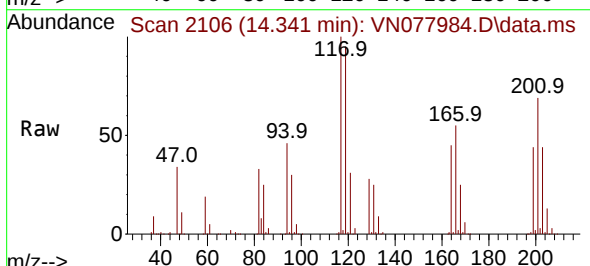
RT: 14.341 min Scan# 2106

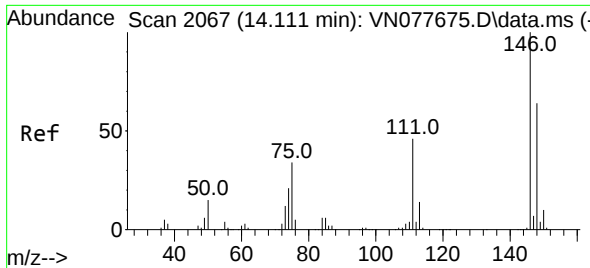
Delta R.T. 0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

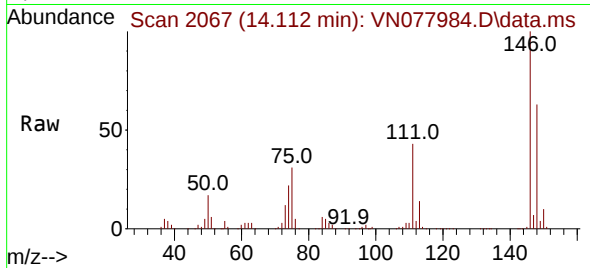
Tgt Ion:	117	Resp:	166978
Ion Ratio	Lower	Upper	
117	100		
201	67.4	29.3	88.0





#91
1,2-Dichlorobenzene
Concen: 54.477 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.001 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

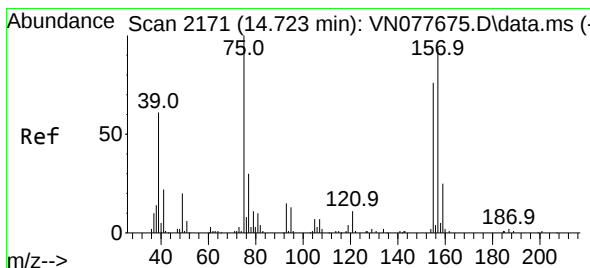
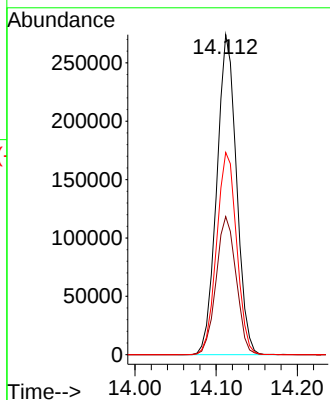
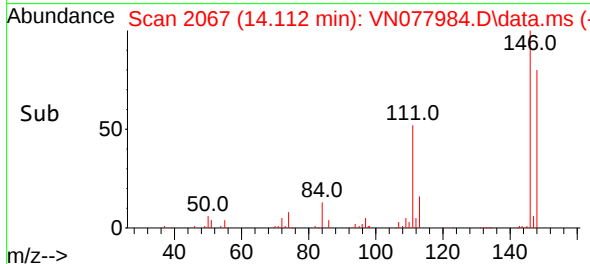
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 463024
Ion Ratio Lower Upper
146 100
111 43.9 22.0 66.0
148 64.2 31.8 95.3

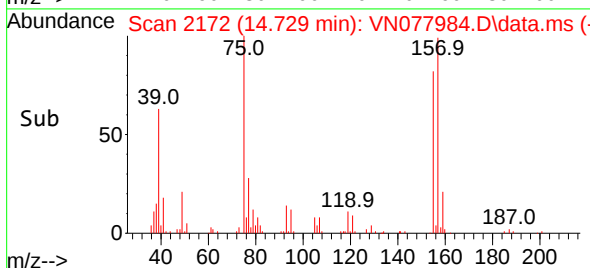
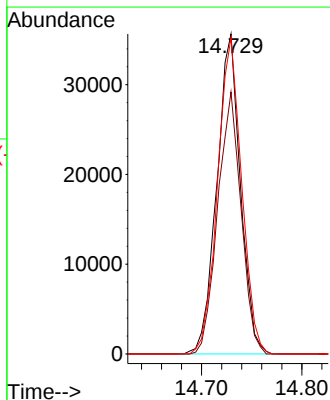
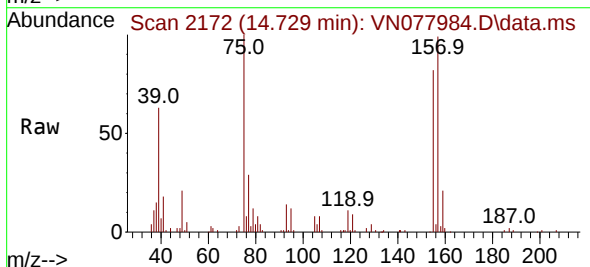
Manual Integrations
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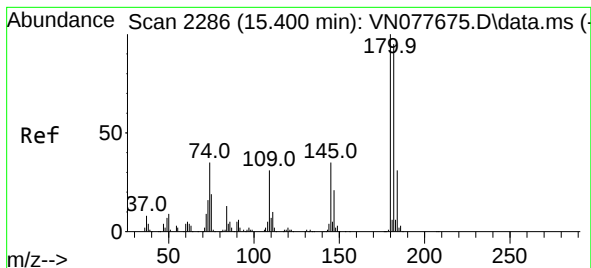
Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.333 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

Tgt Ion: 75 Resp: 58206
Ion Ratio Lower Upper
75 100
155 81.1 39.1 117.2
157 100.6 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 39.699 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 197180

Ion Ratio Lower Upper

180 100

182 93.8 46.1 138.2

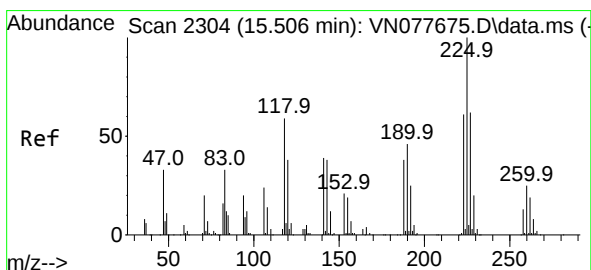
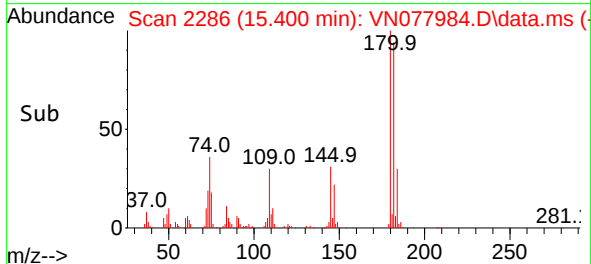
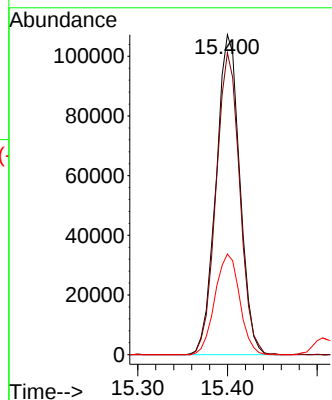
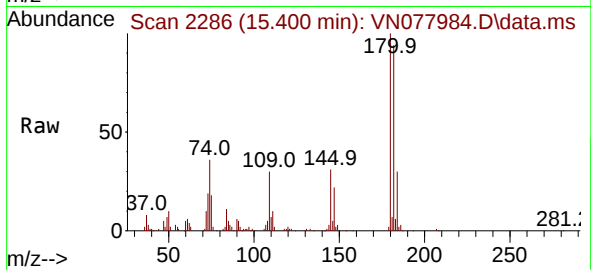
145 32.7 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/01/2023

Supervised By :Mahesh Dadoda 06/01/2023



#94

Hexachlorobutadiene

Concen: 45.073 ug/l

RT: 15.512 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN077984.D

Acq: 31 May 2023 10:20

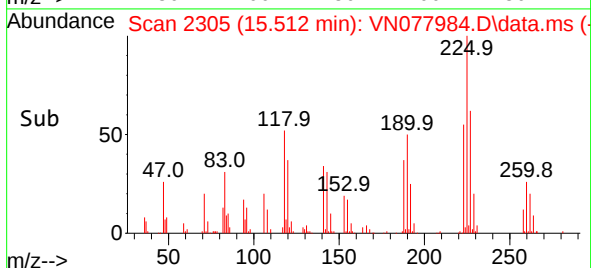
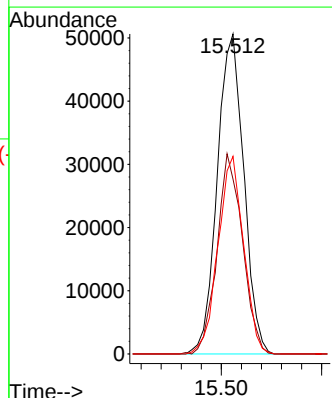
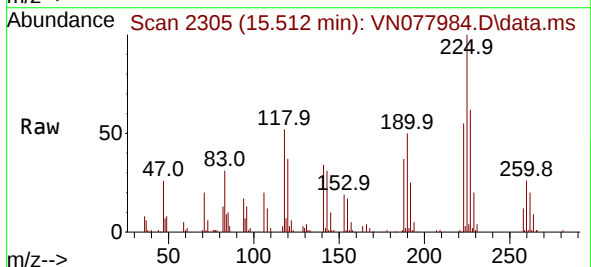
Tgt Ion:225 Resp: 92952

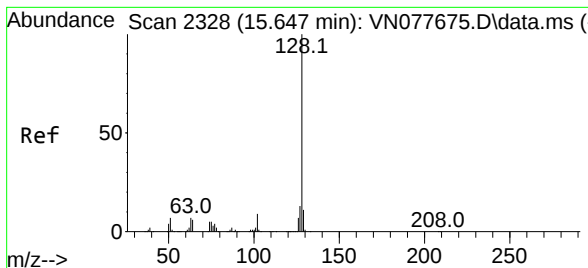
Ion Ratio Lower Upper

225 100

223 60.0 31.3 93.8

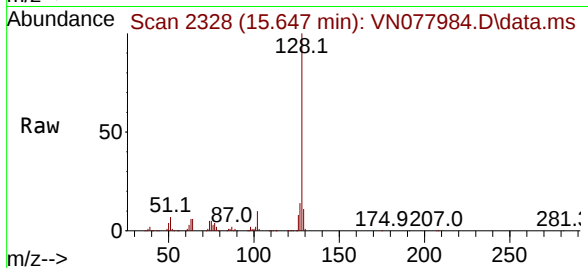
227 59.6 31.9 95.9





#95
Naphthalene
Concen: 35.399 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20

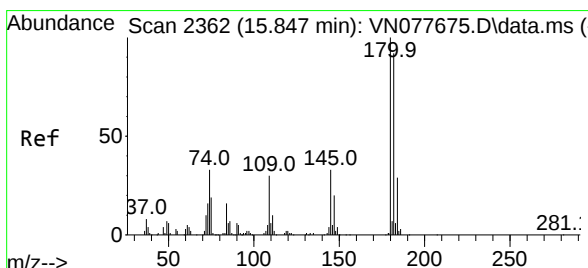
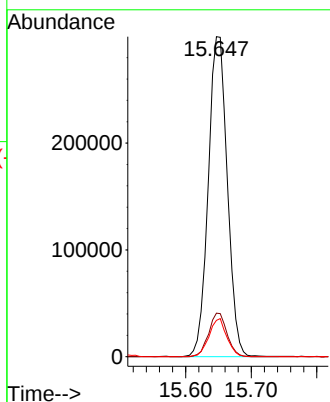
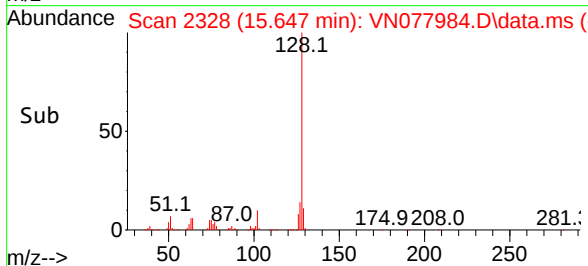
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



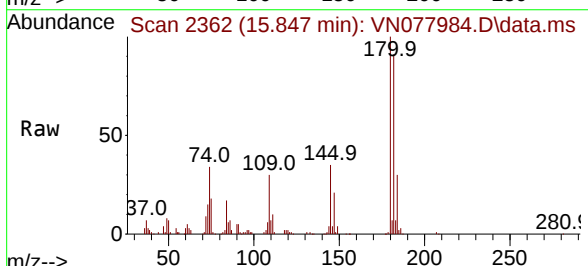
Tgt Ion:128 Resp: 605194
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.2 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/01/2023
Supervised By :Mahesh Dadoda 06/01/2023



#96
1,2,3-Trichlorobenzene
Concen: 41.856 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN077984.D
Acq: 31 May 2023 10:20



Tgt Ion:180 Resp: 203551
Ion Ratio Lower Upper
180 100
182 96.1 46.2 138.6
145 35.4 17.5 52.6

