

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
 Data File : VN077675.D
 Acq On : 15 May 2023 17:37
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 16 02:48:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 02:47:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	433847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	791189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	703594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	309147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	323063	49.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.540%		
35) Dibromofluoromethane	8.171	113	265813	51.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.040%		
50) Toluene-d8	10.571	98	1025053	51.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.240%		
62) 4-Bromofluorobenzene	12.853	95	354109	50.489	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	260104	52.680	ug/l	98
3) Chloromethane	2.365	50	265166	50.677	ug/l	98
4) Vinyl Chloride	2.512	62	315758	50.724	ug/l	99
5) Bromomethane	2.947	94	218709	47.460	ug/l	97
6) Chloroethane	3.124	64	215792	47.956	ug/l	96
7) Trichlorofluoromethane	3.500	101	431063	49.688	ug/l	99
8) Diethyl Ether	3.965	74	154617	48.819	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	234989	48.946	ug/l	98
10) Methyl Iodide	4.594	142	287372	50.190	ug/l	96
11) Tert butyl alcohol	5.530	59	218058	243.400	ug/l	98
12) 1,1-Dichloroethene	4.347	96	227274	49.807	ug/l	83
13) Acrolein	4.189	56	147724	267.004	ug/l	98
14) Allyl chloride	5.024	41	310340	46.178	ug/l	94
15) Acrylonitrile	5.718	53	583461	243.773	ug/l	99
16) Acetone	4.430	43	473541	230.360	ug/l	94
17) Carbon Disulfide	4.712	76	579848	47.161	ug/l	100
18) Methyl Acetate	5.036	43	415417	48.486	ug/l	89
19) Methyl tert-butyl Ether	5.800	73	827802	50.119	ug/l	99
20) Methylene Chloride	5.283	84	264764	49.800	ug/l	88
21) trans-1,2-Dichloroethene	5.794	96	252410	49.244	ug/l	86
22) Diisopropyl ether	6.677	45	769681	48.986	ug/l #	93
23) Vinyl Acetate	6.606	43	2414147	247.985	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	476709	49.523	ug/l	97
25) 2-Butanone	7.488	43	760984	238.196	ug/l	91
26) 2,2-Dichloropropane	7.500	77	430864	52.685	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	305228	49.663	ug/l	91
28) Bromochloromethane	7.818	49	207399	49.819	ug/l	87
29) Tetrahydrofuran	7.841	42	500544	239.276	ug/l #	84
30) Chloroform	7.971	83	508737	48.044	ug/l	94
31) Cyclohexane	8.265	56	414238	46.951	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	457133	50.777	ug/l	98
36) 1,1-Dichloropropene	8.377	75	385775	51.122	ug/l	96
37) Ethyl Acetate	7.565	43	321508	47.801	ug/l	95
38) Carbon Tetrachloride	8.371	117	394419	51.760	ug/l	98
39) Methylcyclohexane	9.606	83	475457	51.465	ug/l	92
40) Benzene	8.612	78	1116837	50.153	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	173135	48.335	ug/l	92
42) 1,2-Dichloroethane	8.677	62	393597	48.657	ug/l	97
43) Isopropyl Acetate	8.694	43	541846	49.320	ug/l	95
44) Trichloroethene	9.359	130	280973	49.830	ug/l	97
45) 1,2-Dichloropropane	9.624	63	288302	50.757	ug/l	97
46) Dibromomethane	9.712	93	198228	48.771	ug/l	96
47) Bromodichloromethane	9.894	83	399294	51.313	ug/l	98
48) Methyl methacrylate	9.688	41	262465	50.389	ug/l	86
49) 1,4-Dioxane	9.694	88	98718	1003.333	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	1646597	252.145	ug/l	93
52) Toluene	10.635	92	714965	51.572	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	429867	52.166	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	472670	52.051	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	272839	49.566	ug/l	92
56) Ethyl methacrylate	10.882	69	428670	51.505	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	477451	50.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1035696	252.946	ug/l	92
59) 2-Hexanone	11.200	43	1215559	251.656	ug/l	92
60) Dibromochloromethane	11.365	129	297181	52.296	ug/l	100
61) 1,2-Dibromoethane	11.476	107	287155	52.291	ug/l	98
64) Tetrachloroethene	11.112	164	239677	48.711	ug/l	98
65) Chlorobenzene	11.900	112	753915	49.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	275000	52.105	ug/l	98
67) Ethyl Benzene	11.970	91	1397751	51.136	ug/l	99
68) m/p-Xylenes	12.076	106	1054504	101.814	ug/l	97
69) o-Xylene	12.406	106	523367	51.382	ug/l	98
70) Styrene	12.417	104	841346	51.997	ug/l	97
71) Bromoform	12.582	173	192320	54.777	ug/l #	99
73) Isopropylbenzene	12.700	105	1363624	51.171	ug/l	100
74) N-amyl acetate	12.500	43	485303	49.269	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.947	83	395796	48.279	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	377605m	50.579	ug/l	
77) Bromobenzene	12.988	156	294459	48.420	ug/l	96
78) n-propylbenzene	13.041	91	1580225	50.298	ug/l	100
79) 2-Chlorotoluene	13.129	91	931399	49.682	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	1118734	49.950	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	122245	50.472	ug/l	92
82) 4-Chlorotoluene	13.229	91	905933	48.569	ug/l	99
83) tert-Butylbenzene	13.447	119	993637	50.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1108475	50.323	ug/l	98
85) sec-Butylbenzene	13.623	105	1424620	51.268	ug/l	99
86) p-Isopropyltoluene	13.735	119	1151671	51.987	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	547474	48.679	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	543544	48.704	ug/l	99
89) n-Butylbenzene	14.064	91	1036293	50.859	ug/l	99
90) Hexachloroethane	14.341	117	196188	53.909	ug/l	92
91) 1,2-Dichlorobenzene	14.111	146	527611	50.217	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	77307	48.707	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	300557	48.952	ug/l	96
94) Hexachlorobutadiene	15.506	225	131433	51.558	ug/l	99
95) Naphthalene	15.647	128	1018303	48.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	300898	50.054	ug/l	99

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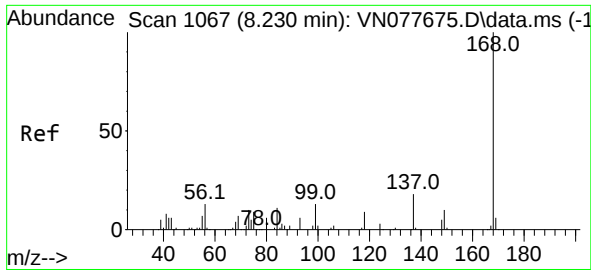
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Response via : Initial Calibration

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



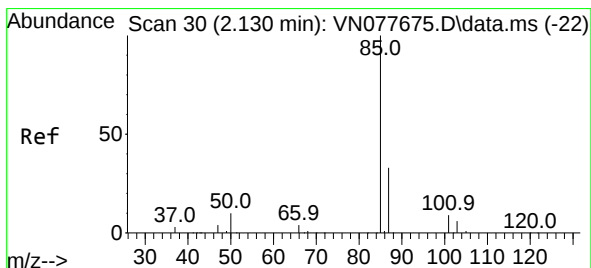
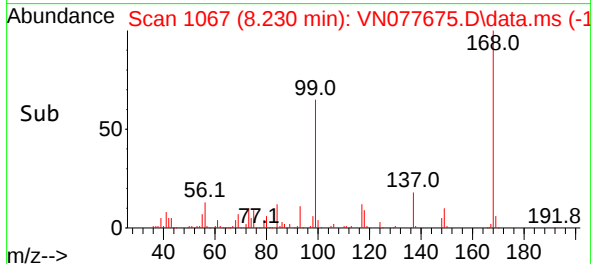
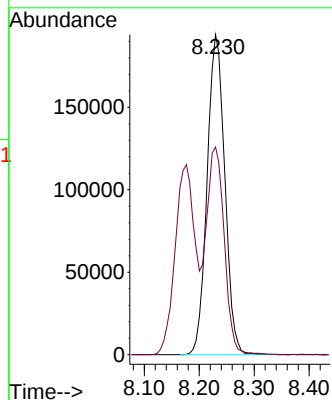
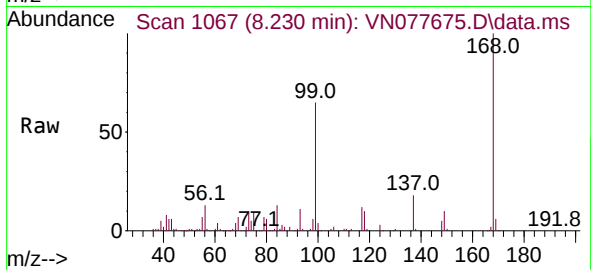
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077675.D
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MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 43384
Ion Ratio Lower Upper
168 100
99 64.9 53.0 79.6

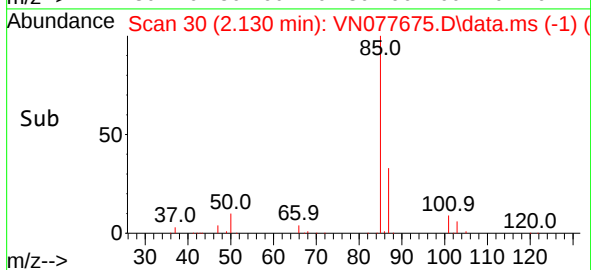
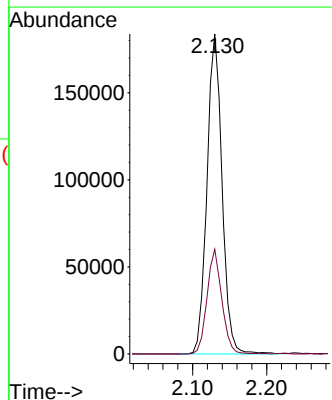
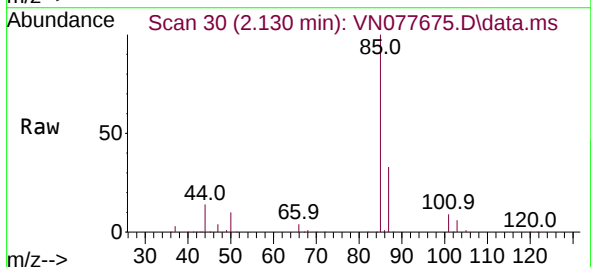
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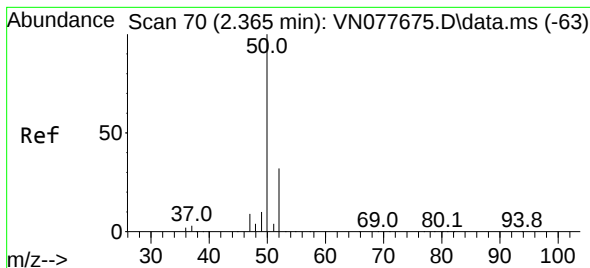
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 52.680 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion: 85 Resp: 260104
Ion Ratio Lower Upper
85 100
87 32.7 15.8 47.4





#3

Chloromethane

Concen: 50.677 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 265160

Ion Ratio Lower Upper

50 100

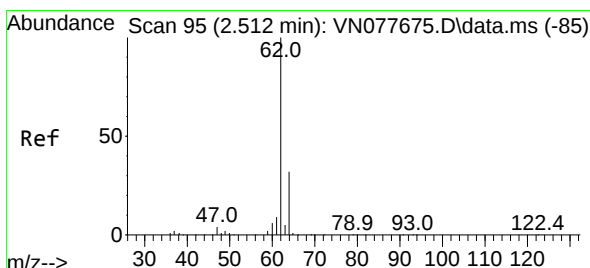
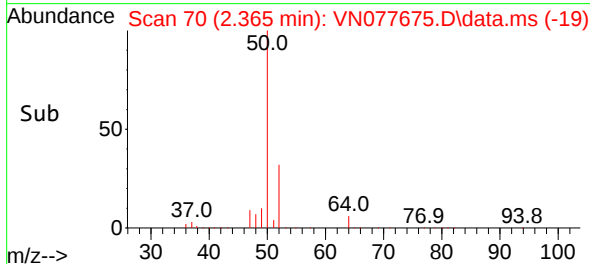
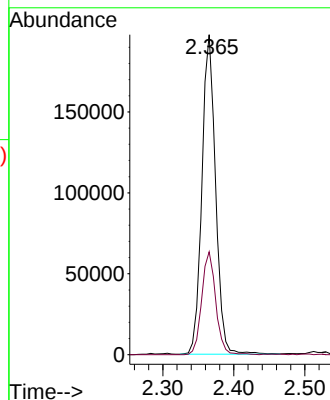
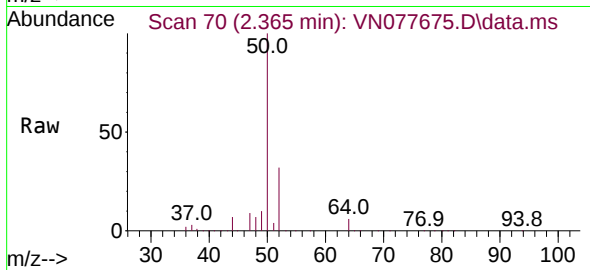
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.724 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN077675.D

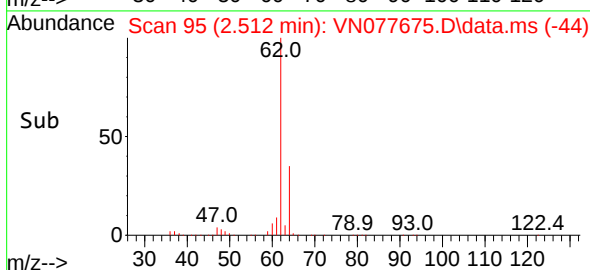
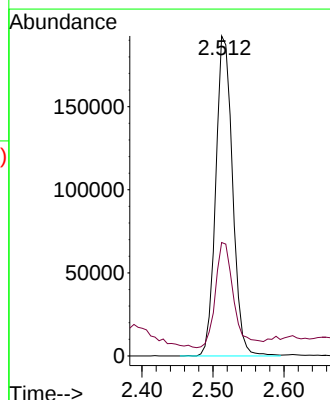
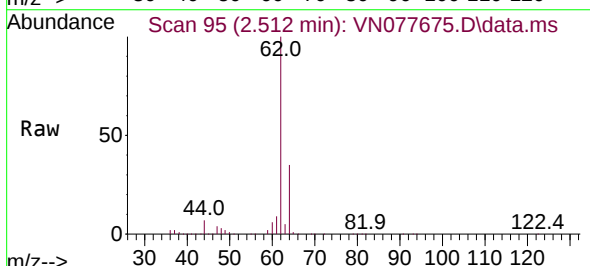
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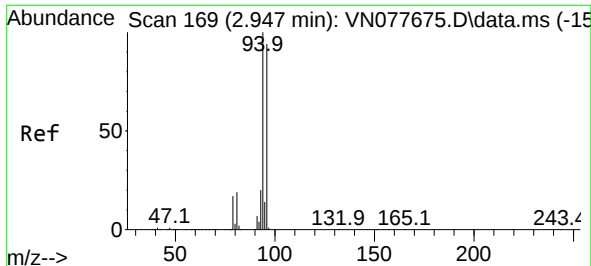
Tgt Ion: 62 Resp: 315758

Ion Ratio Lower Upper

62 100

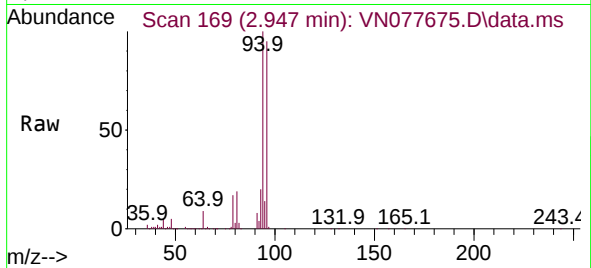
64 32.1 26.2 39.2





#5
Bromomethane
Concen: 47.460 ug/l
RT: 2.947 min Scan# 169
Delta R.T. 0.000 min
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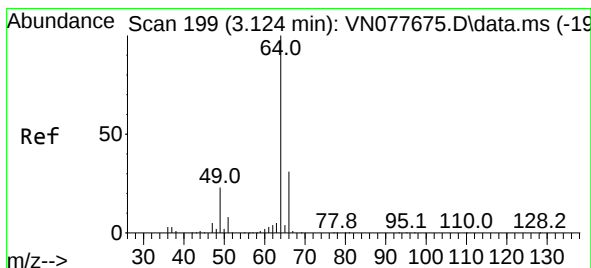
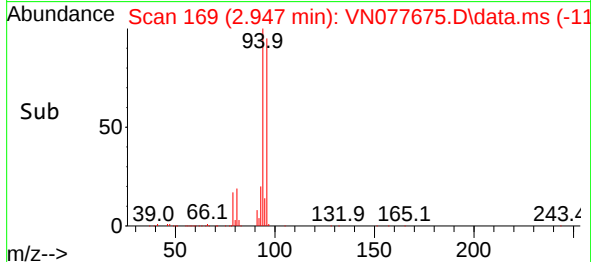
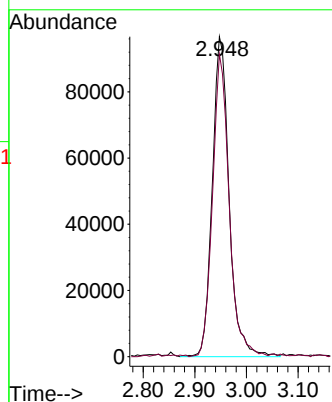
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Tgt Ion: 94 Resp: 218709
Ion Ratio Lower Upper
94 100
96 94.1 73.1 109.7

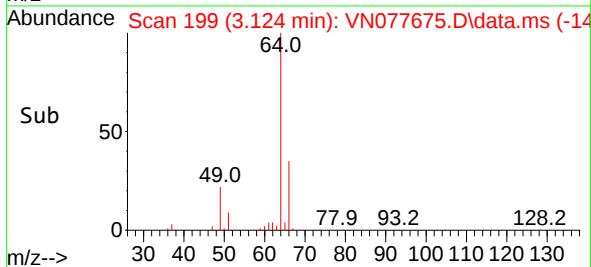
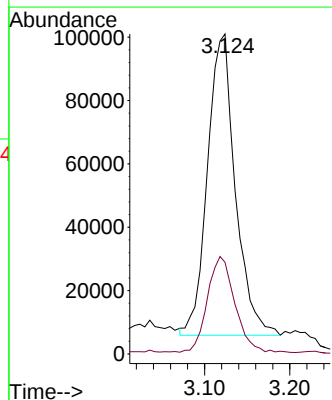
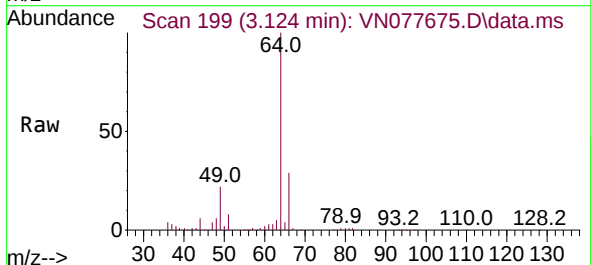
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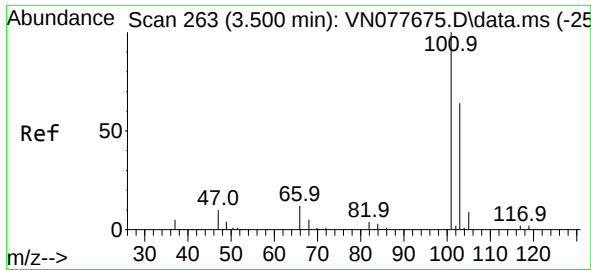
Reviewed By :John Carlone 05/16/2023
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#6
Chloroethane
Concen: 47.956 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
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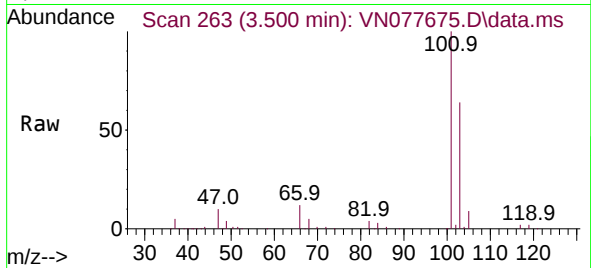
Tgt Ion: 64 Resp: 215792
Ion Ratio Lower Upper
64 100
66 29.8 25.4 38.2





#7
Trichlorofluoromethane
Concen: 49.688 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN077675.D
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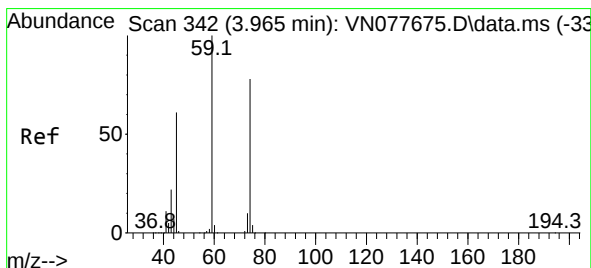
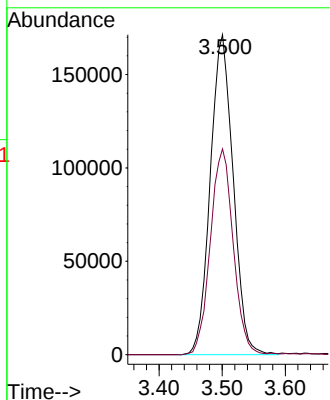
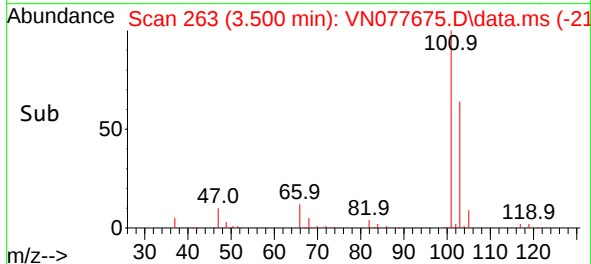
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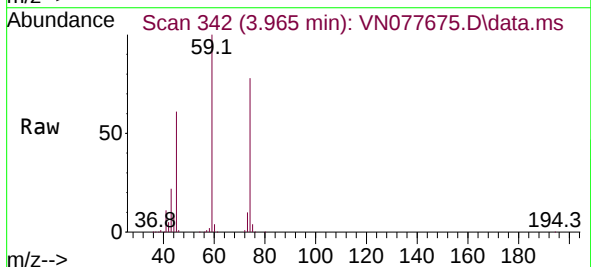
Tgt Ion:101 Resp: 43106
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

Manual Integrations
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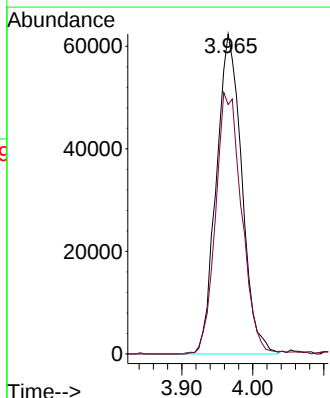
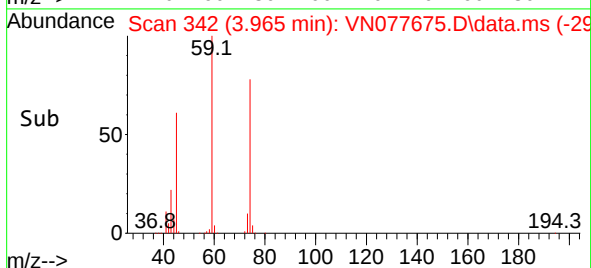
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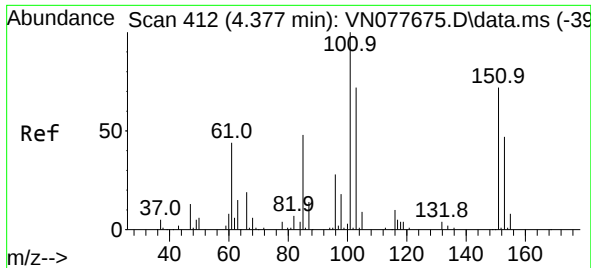


#8
Diethyl Ether
Concen: 48.819 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 74 Resp: 154617
Ion Ratio Lower Upper
74 100
45 84.6 34.4 103.3





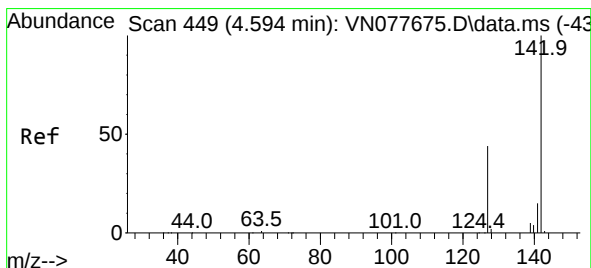
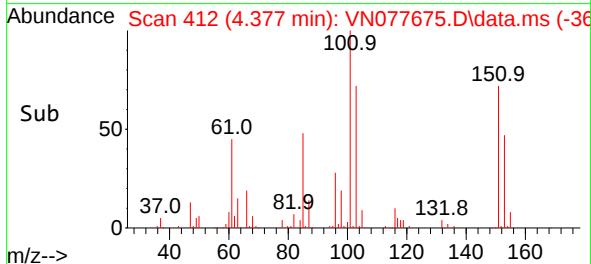
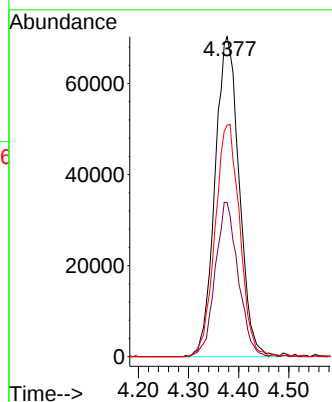
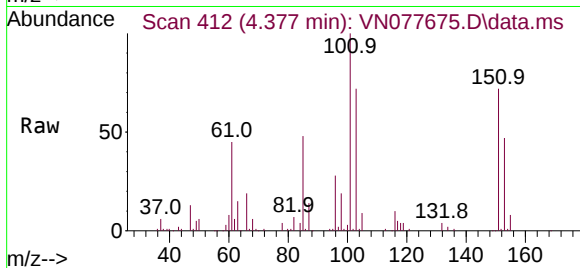
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.946 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 234989
Ion Ratio Lower Upper
101 100
85 46.0 36.6 55.0
151 74.1 57.6 86.4

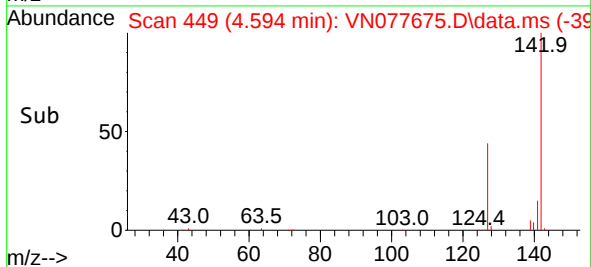
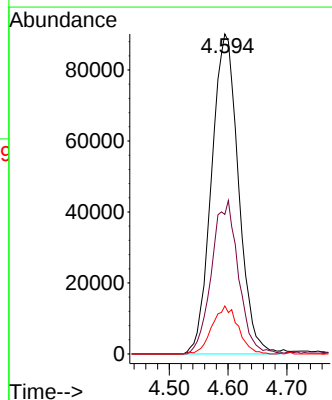
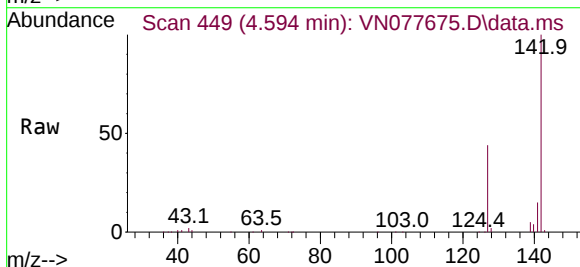
Manual Integrations
APPROVED

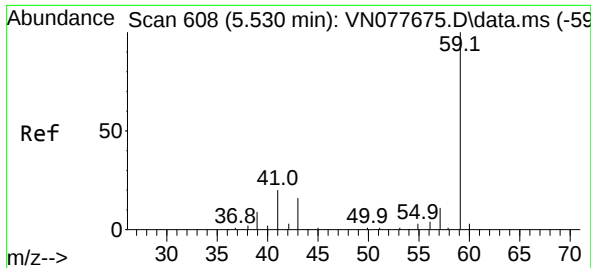
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#10
Methyl Iodide
Concen: 50.190 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

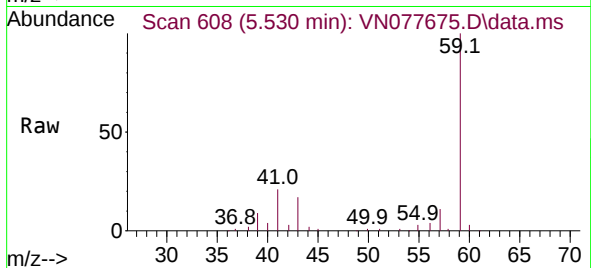
Tgt Ion:142 Resp: 287372
Ion Ratio Lower Upper
142 100
127 43.6 37.6 56.4
141 15.0 11.4 17.0





#11
Tert butyl alcohol
Concen: 243.400 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

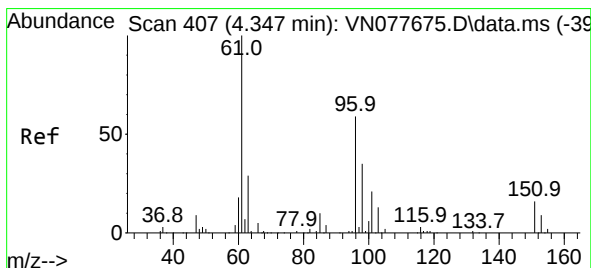
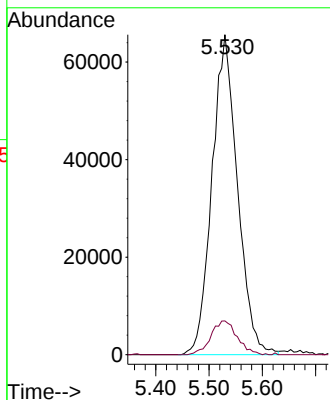
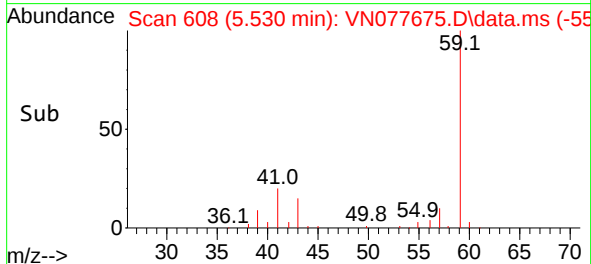
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



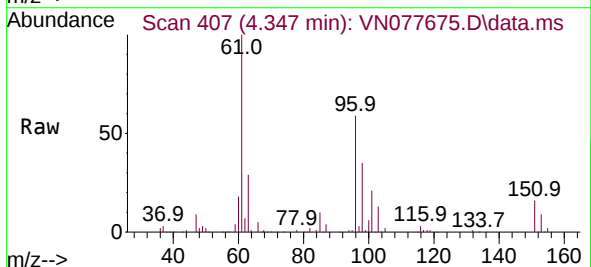
Tgt Ion: 59 Resp: 218058
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

Manual Integrations
APPROVED

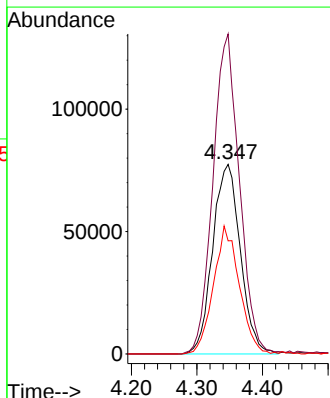
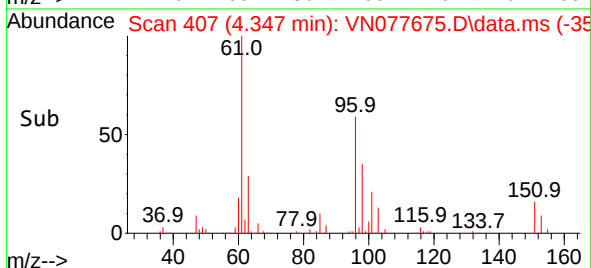
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

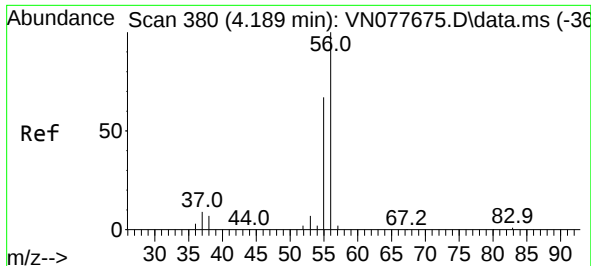


#12
1,1-Dichloroethene
Concen: 49.807 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 96 Resp: 227274
Ion Ratio Lower Upper
96 100
61 168.7 112.7 169.1
98 59.6 51.2 76.8





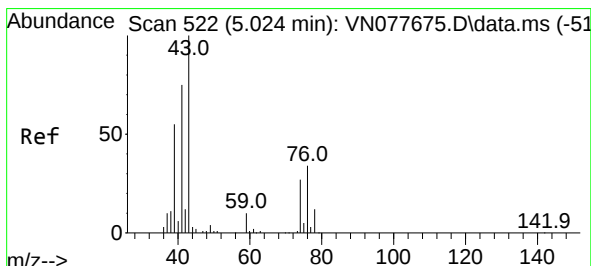
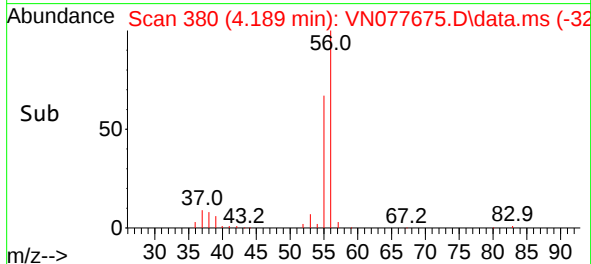
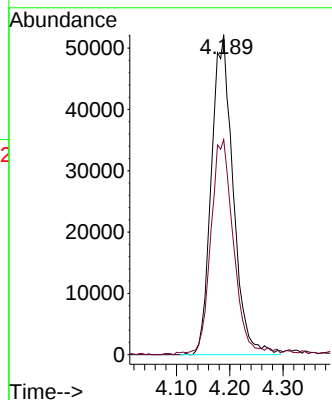
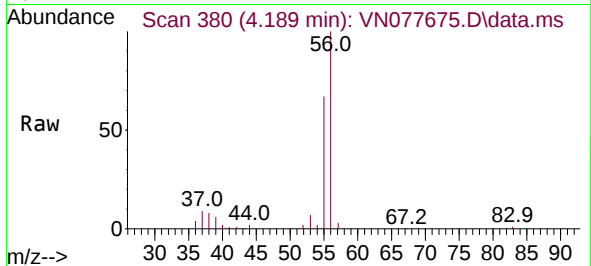
#13
Acrolein
Concen: 267.004 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 147724
Ion Ratio Lower Upper
56 100
55 69.8 54.5 81.7

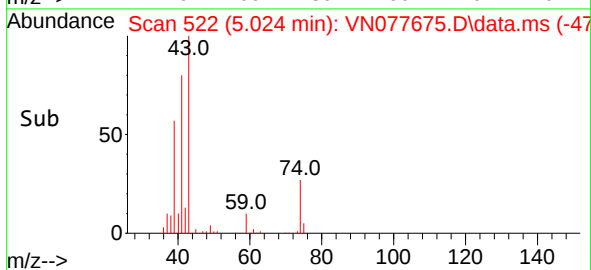
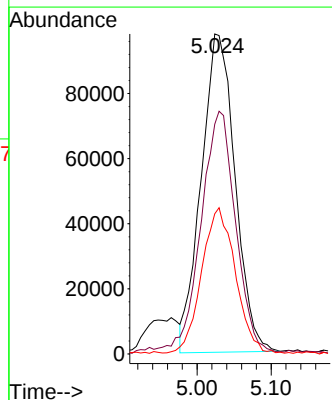
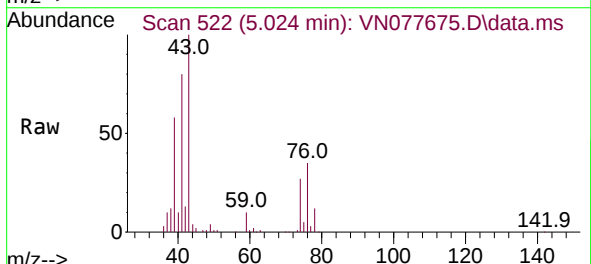
Manual Integrations
APPROVED

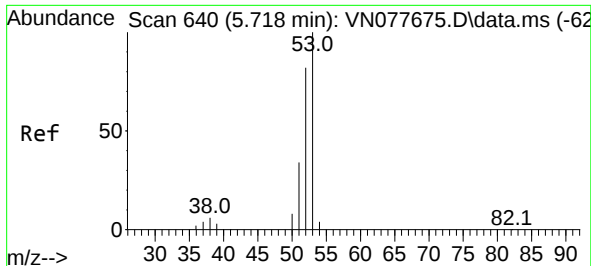
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#14
Allyl chloride
Concen: 46.178 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

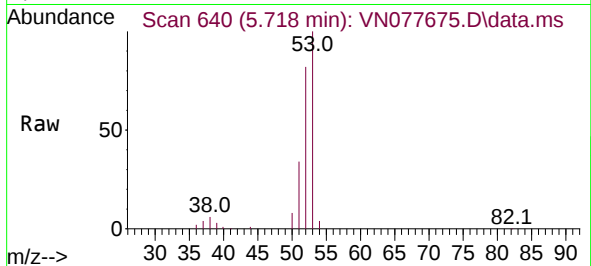
Tgt Ion: 41 Resp: 310340
Ion Ratio Lower Upper
41 100
39 79.8 58.8 88.2
76 45.6 39.1 58.7





#15
Acrylonitrile
Concen: 243.773 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

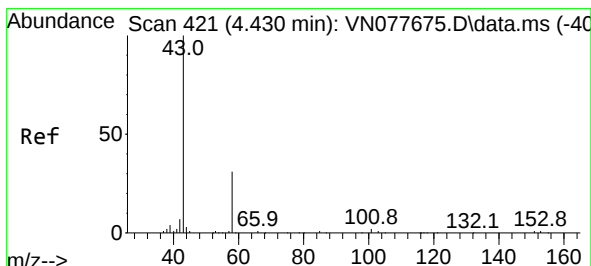
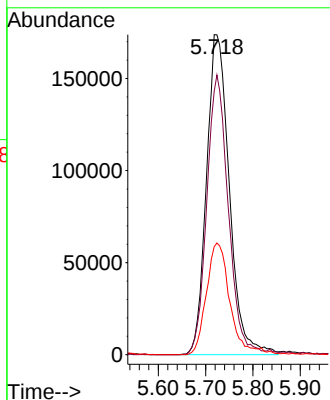
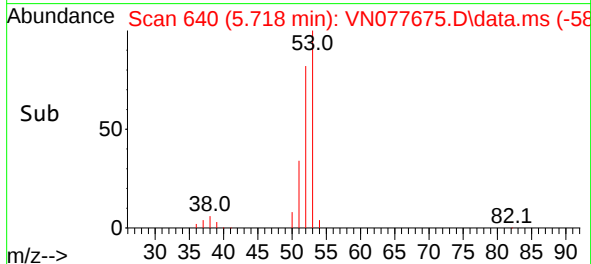
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 53 Resp: 58346
Ion Ratio Lower Upper
53 100
52 82.3 65.3 97.9
51 35.9 28.9 43.3

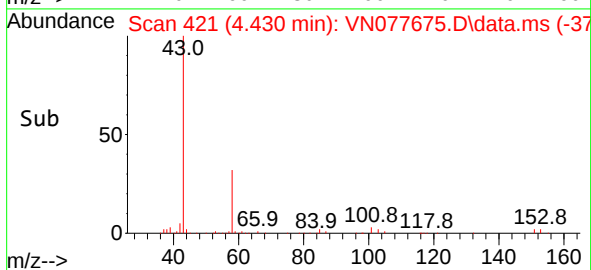
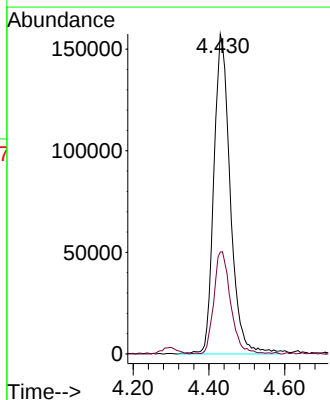
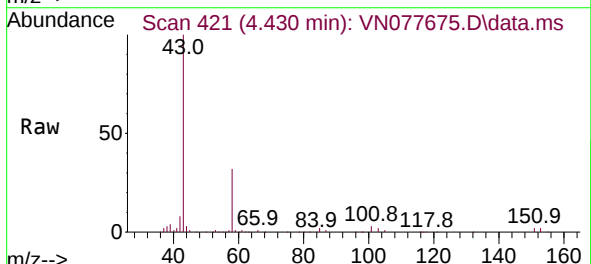
Manual Integrations
APPROVED

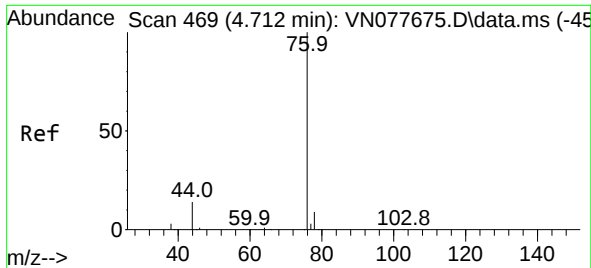
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#16
Acetone
Concen: 230.360 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

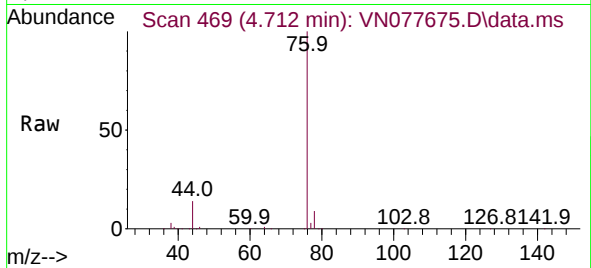
Tgt Ion: 43 Resp: 473541
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0





#17
Carbon Disulfide
Concen: 47.161 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

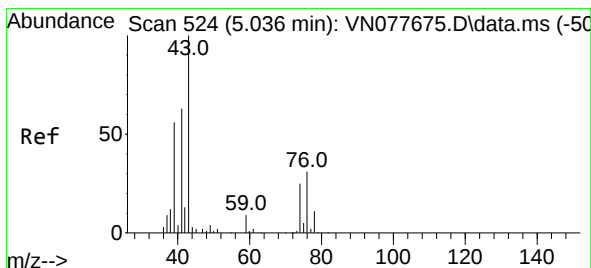
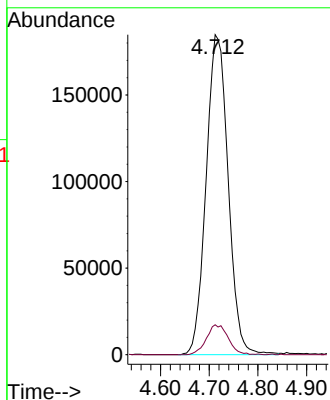
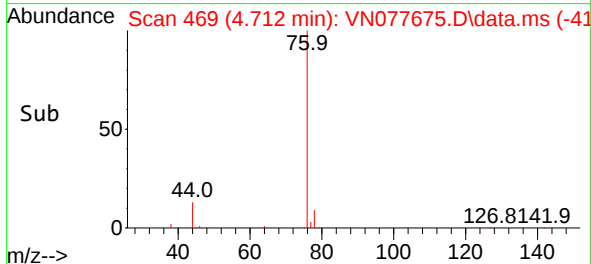
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 57984
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

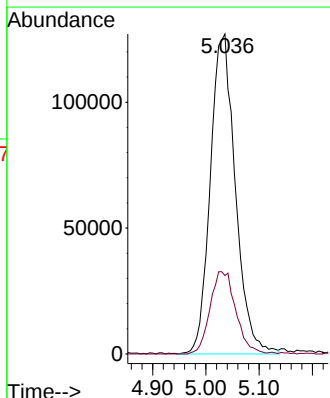
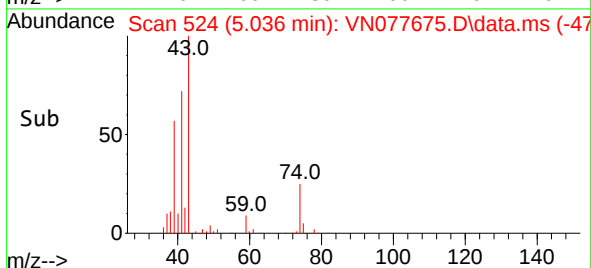
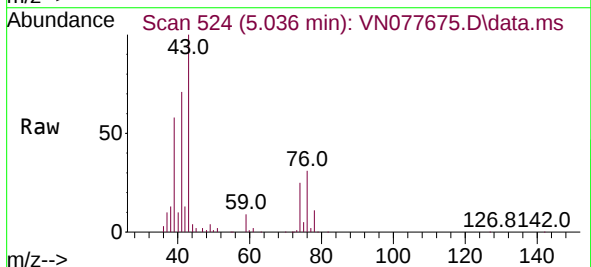
Manual Integrations
APPROVED

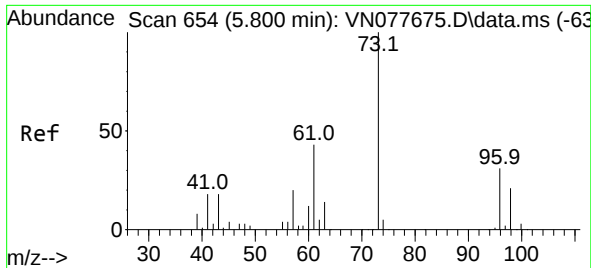
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#18
Methyl Acetate
Concen: 48.486 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

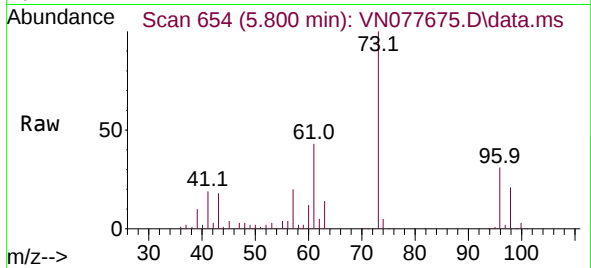
Tgt Ion: 43 Resp: 415417
Ion Ratio Lower Upper
43 100
74 26.4 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 50.119 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

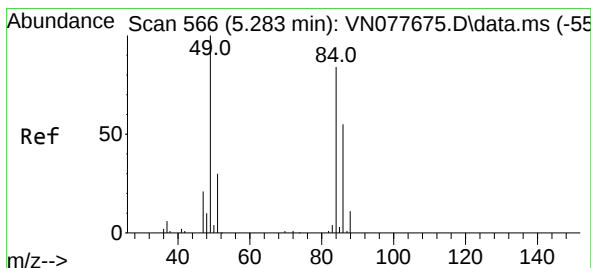
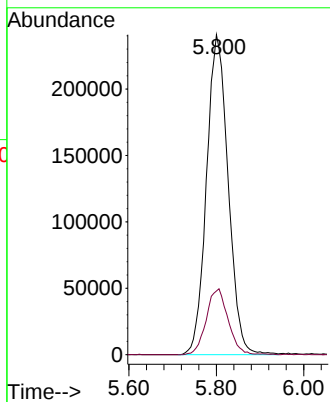
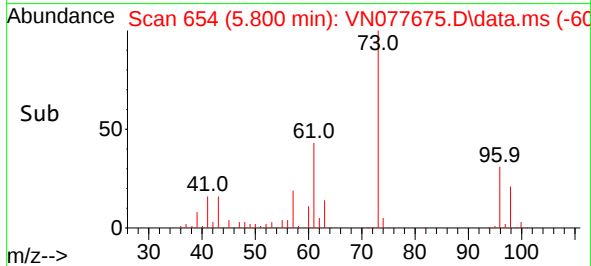
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 73 Resp: 82780
Ion Ratio Lower Upper
73 100
57 19.9 15.6 23.4

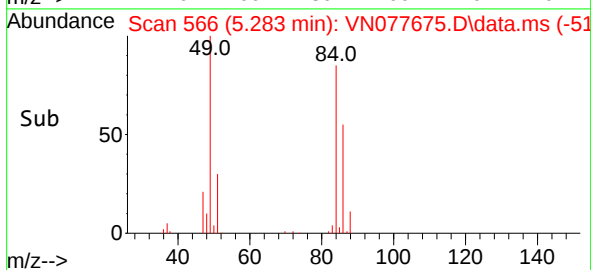
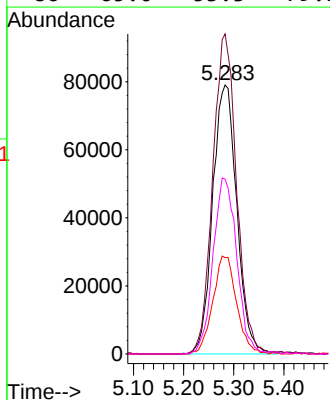
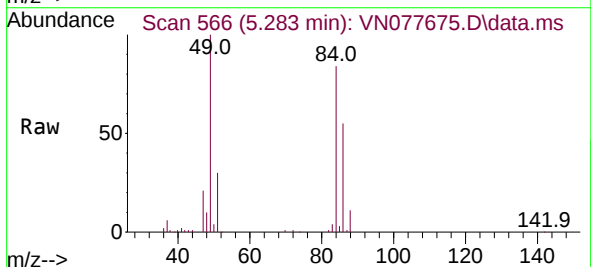
Manual Integrations
APPROVED

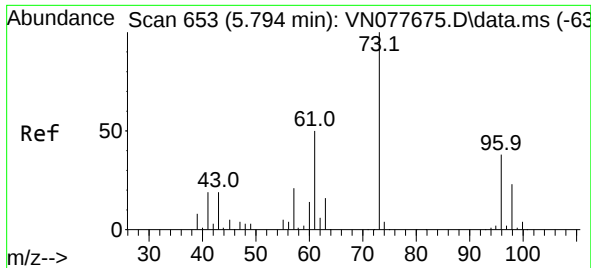
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#20
Methylene Chloride
Concen: 49.800 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

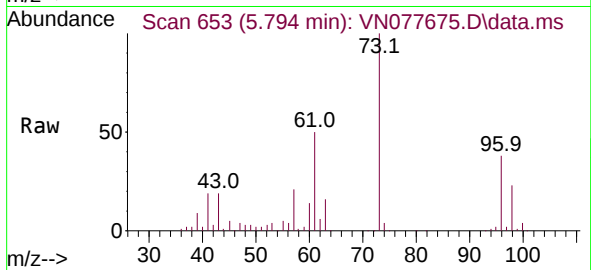
Tgt Ion: 84 Resp: 264764
Ion Ratio Lower Upper
84 100
49 119.0 79.7 119.5
51 35.8 25.2 37.8
86 65.0 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 49.244 ug/l
RT: 5.794 min Scan# 610
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

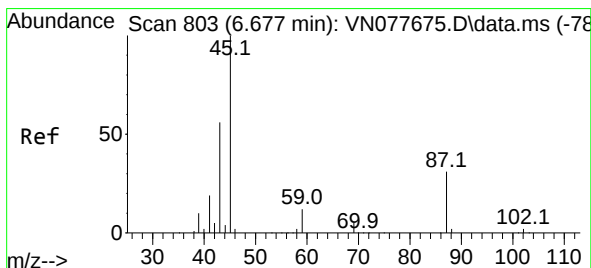
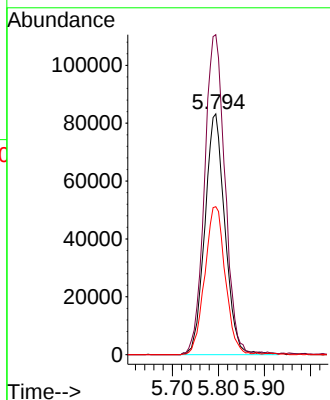
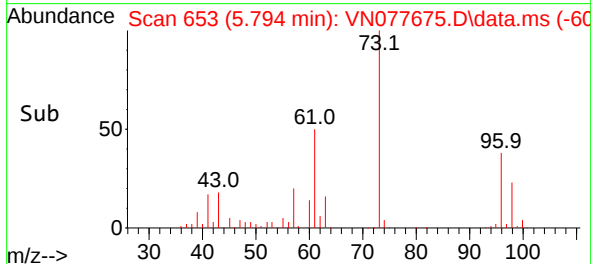
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 252410
Ion Ratio Lower Upper
96 100
61 132.9 90.1 135.1
98 61.5 46.4 69.6

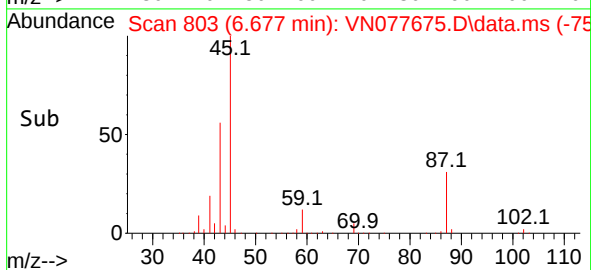
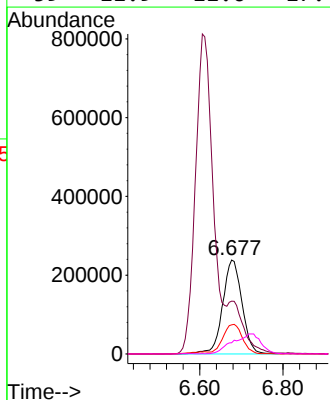
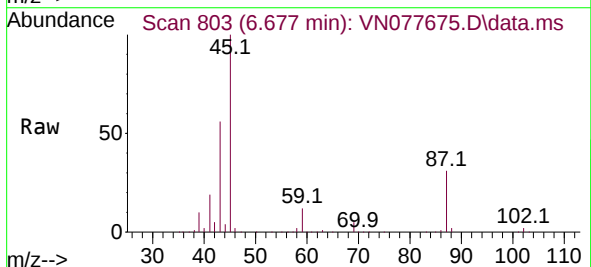
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#22
Diisopropyl ether
Concen: 48.986 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

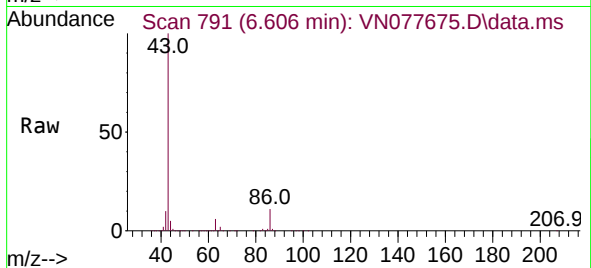
Tgt Ion: 45 Resp: 769681
Ion Ratio Lower Upper
45 100
43 55.5 45.5 68.3
87 30.9 31.8 47.8#
59 11.9 11.6 17.4





#23
 Vinyl Acetate
 Concen: 247.985 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37

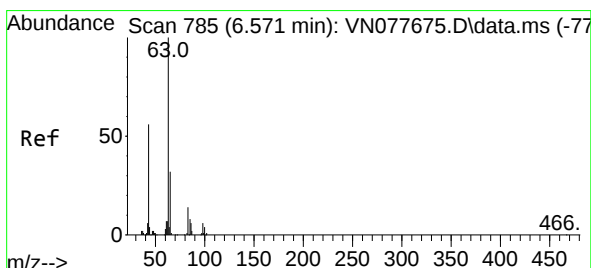
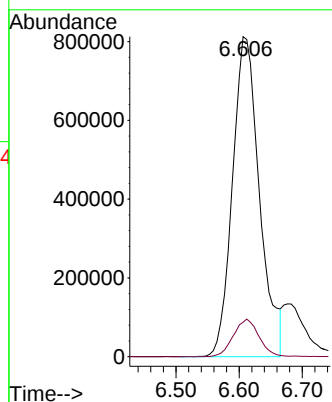
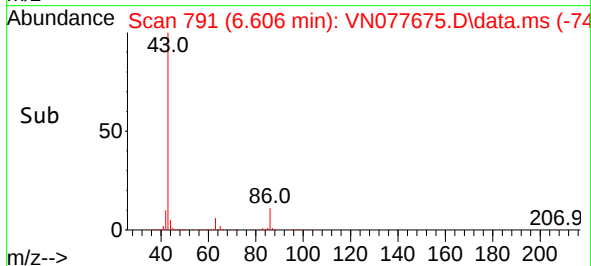
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050



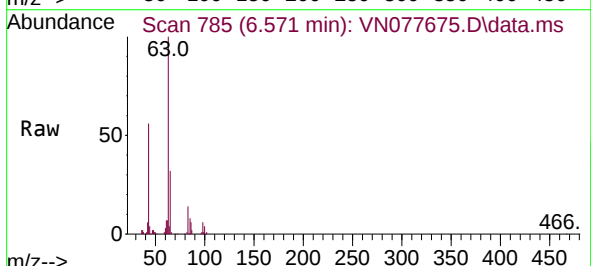
Tgt Ion: 43 Resp: 241414
 Ion Ratio Lower Upper
 43 100
 86 10.8 13.0 19.6

Manual Integrations
 APPROVED

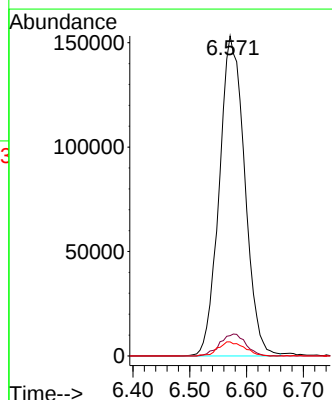
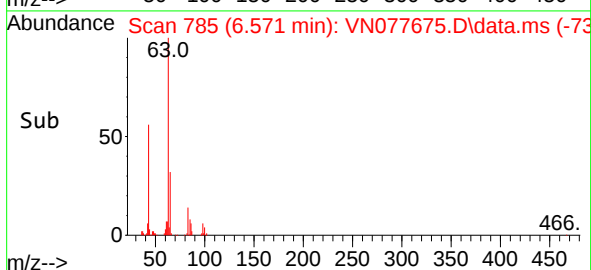
Reviewed By :John Carlone 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#24
 1,1-Dichloroethane
 Concen: 49.523 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37



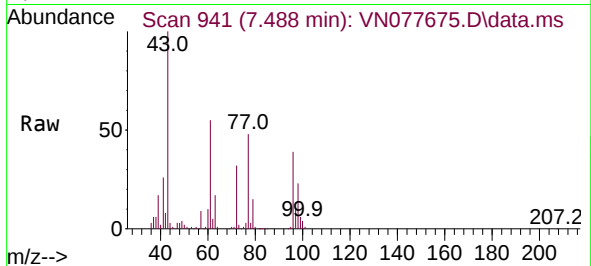
Tgt Ion: 63 Resp: 476709
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.9 11.7
 100 4.4 2.5 7.4





#25
2-Butanone
Concen: 238.196 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

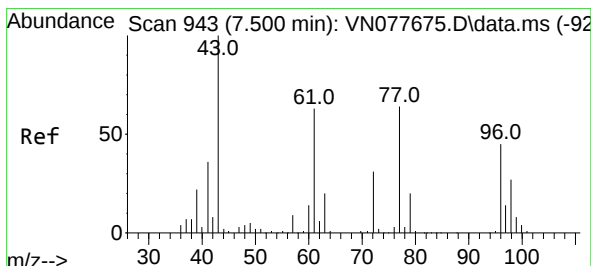
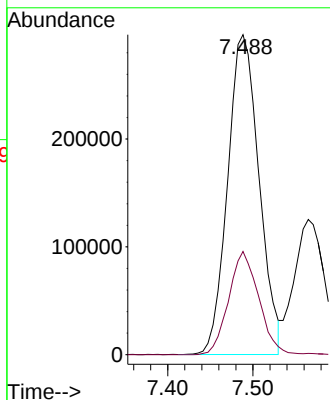
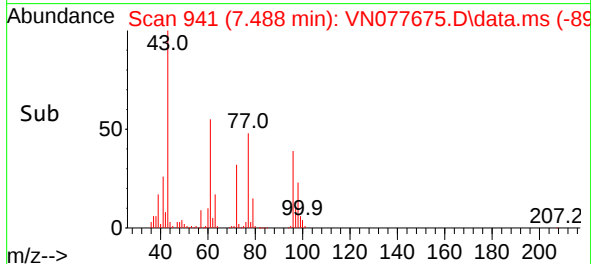
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 760984
Ion Ratio Lower Upper
43 100
72 32.3 30.2 45.2

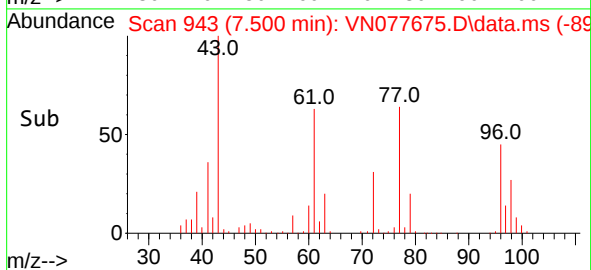
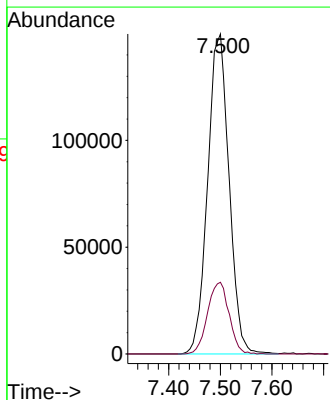
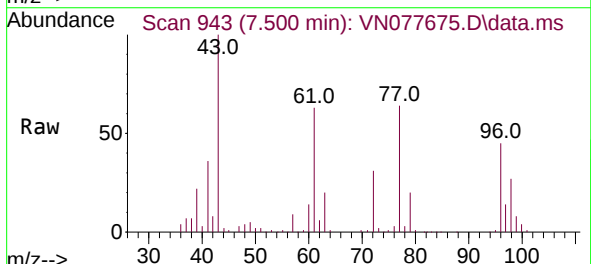
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#26
2,2-Dichloropropane
Concen: 52.685 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion: 77 Resp: 430864
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.663 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 305228

Ion Ratio Lower Upper

96 100

61 142.3 0.0 255.2

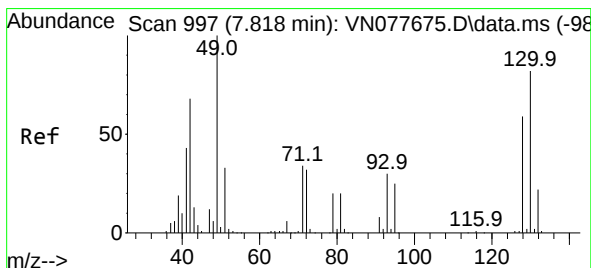
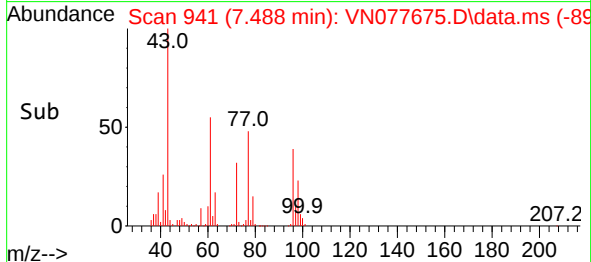
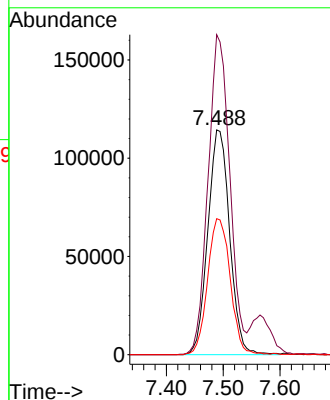
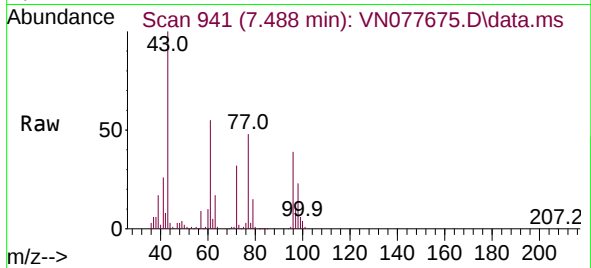
98 62.7 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#28

Bromochloromethane

Concen: 49.819 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

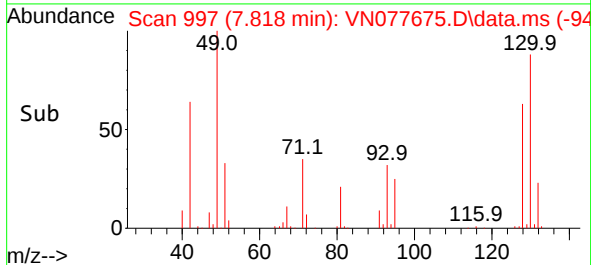
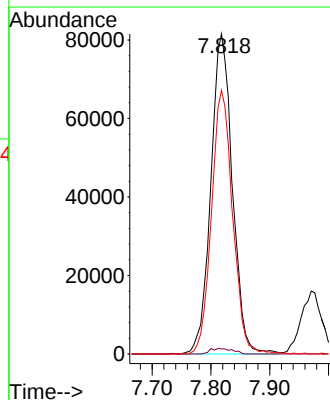
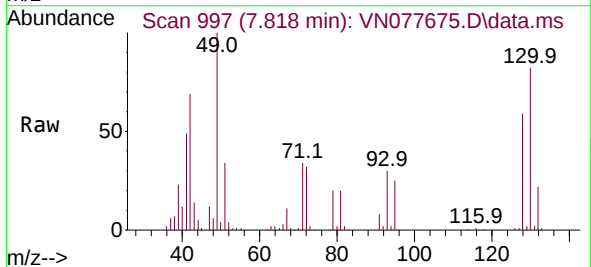
Tgt Ion: 49 Resp: 207399

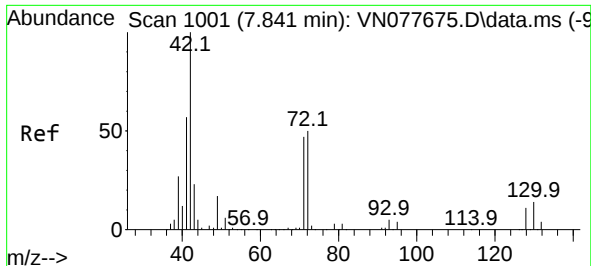
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.8

130 80.8 75.3 112.9





#29

Tetrahydrofuran

Concen: 239.276 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 500544

Ion Ratio Lower Upper

42 100

72 49.9 49.8 74.6

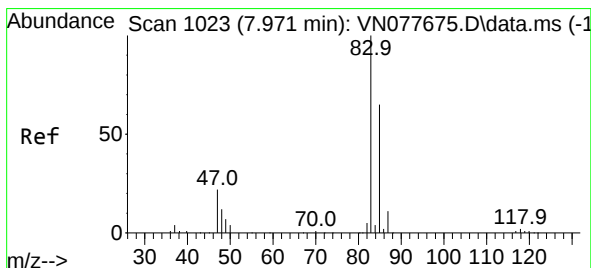
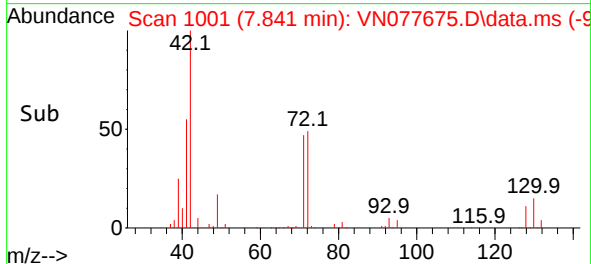
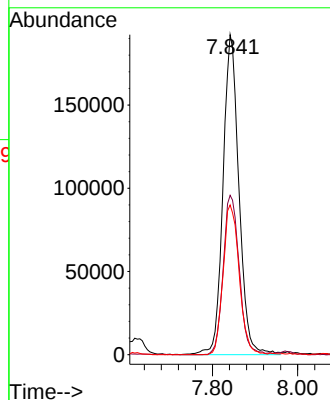
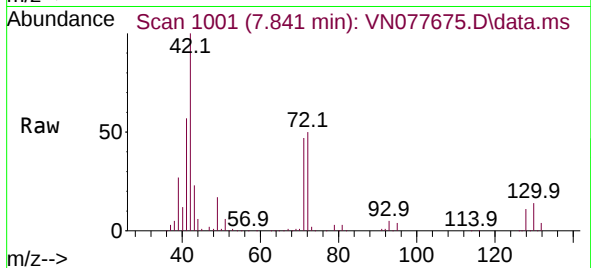
71 47.1 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#30

Chloroform

Concen: 48.044 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN077675.D

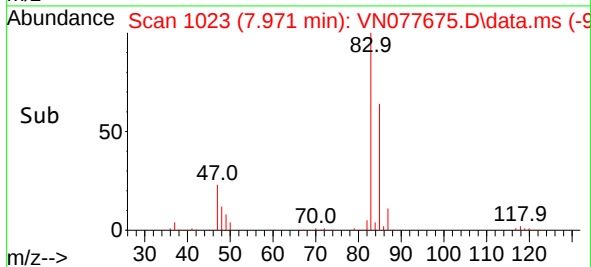
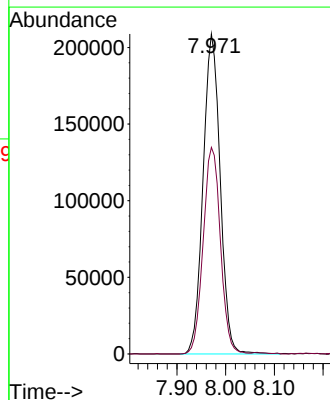
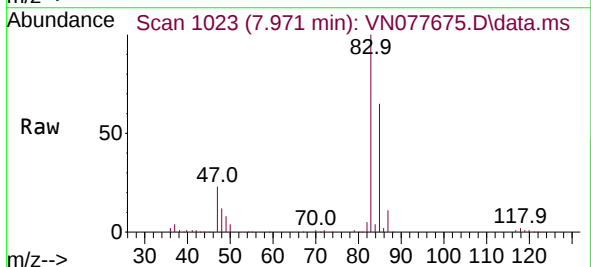
Acq: 15 May 2023 17:37

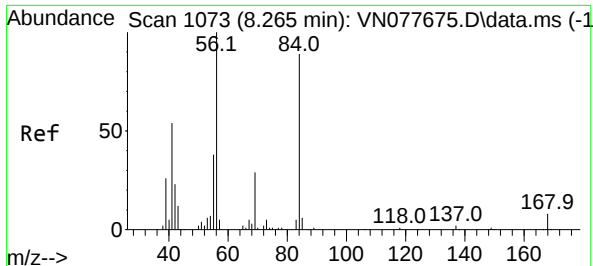
Tgt Ion: 83 Resp: 508737

Ion Ratio Lower Upper

83 100

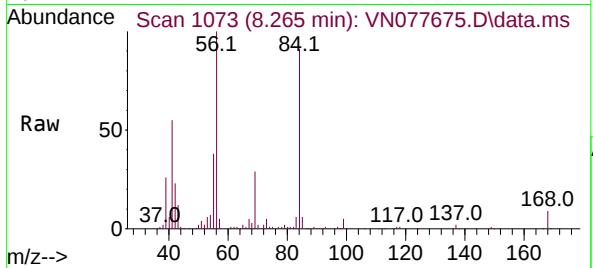
85 64.6 55.4 83.0





#31
Cyclohexane
Concen: 46.951 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

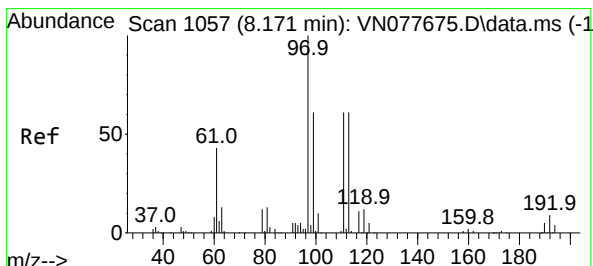
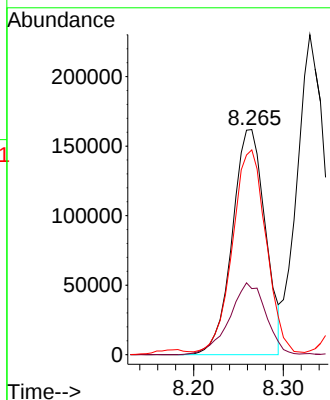
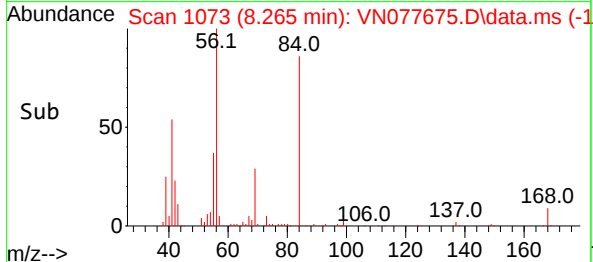
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



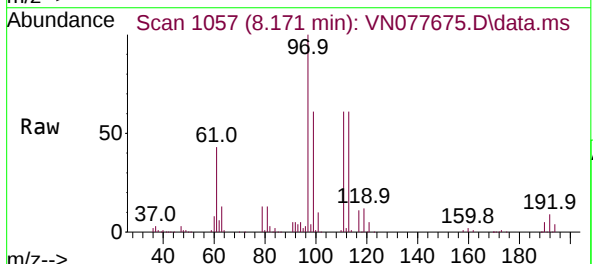
Tgt Ion: 56 Resp: 414238
Ion Ratio Lower Upper
56 100
69 29.4 26.8 40.2
84 88.7 81.8 122.6

Manual Integrations
APPROVED

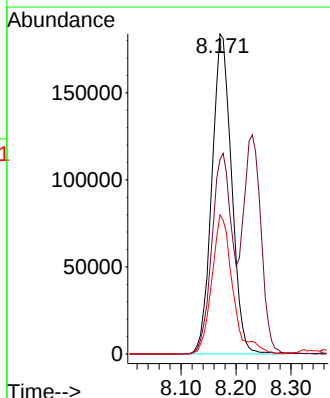
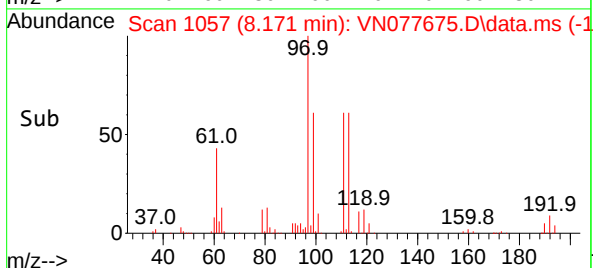
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

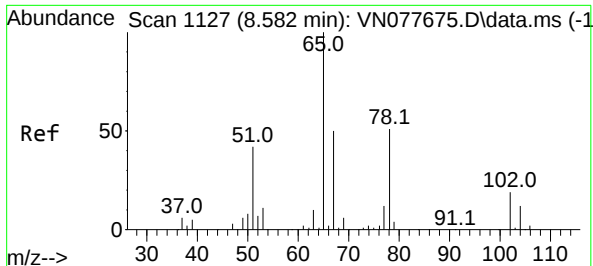


#32
1,1,1-Trichloroethane
Concen: 50.777 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 97 Resp: 457133
Ion Ratio Lower Upper
97 100
99 62.9 50.3 75.5
61 46.1 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 49.767 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 32306

Ion Ratio Lower Upper

65 100

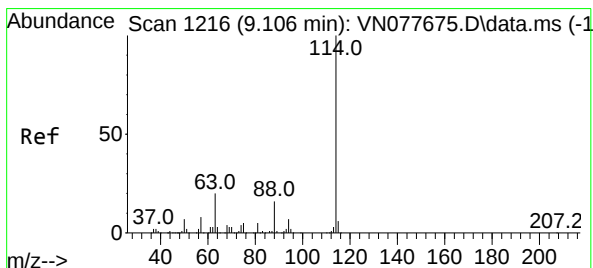
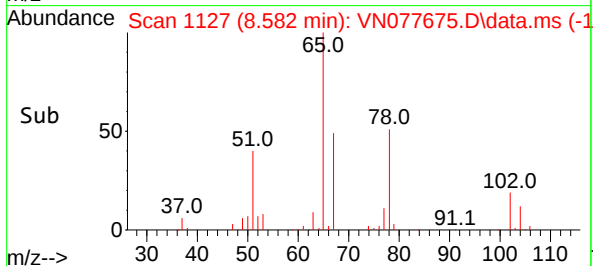
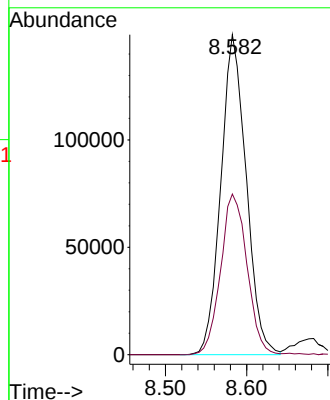
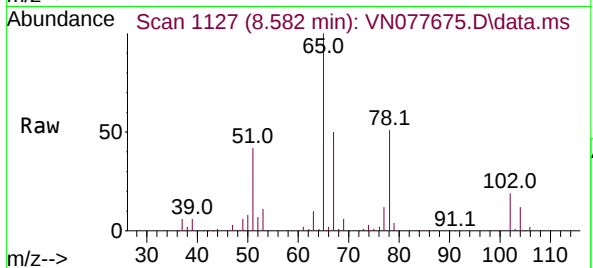
67 52.3 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

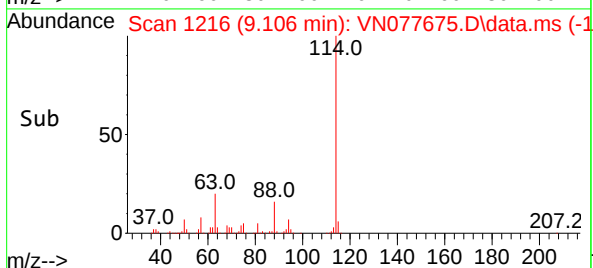
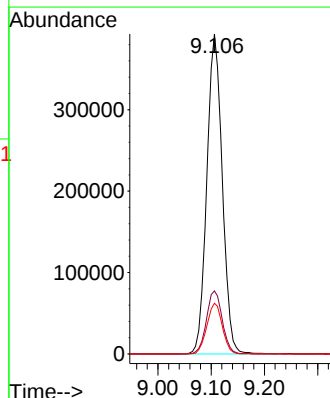
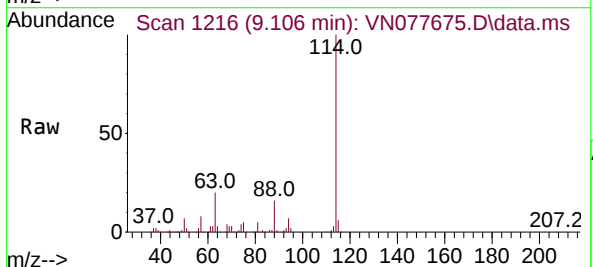
Tgt Ion:114 Resp: 791189

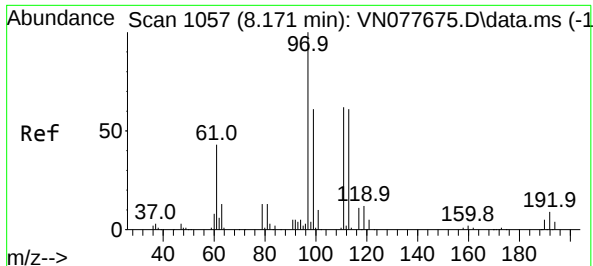
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.522 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 26581

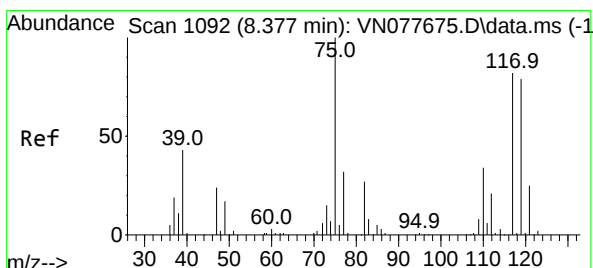
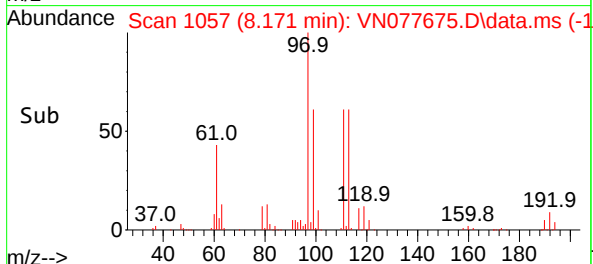
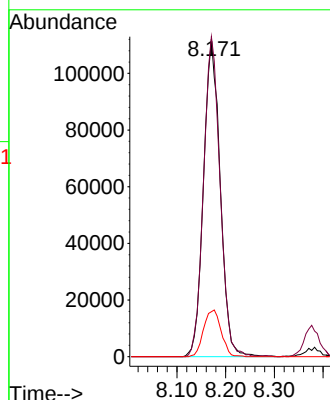
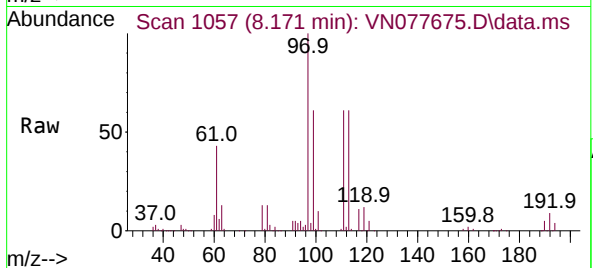
Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.6	123.8
192	15.5	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#36

1,1-Dichloropropene

Concen: 51.122 ug/l

RT: 8.377 min Scan# 1092

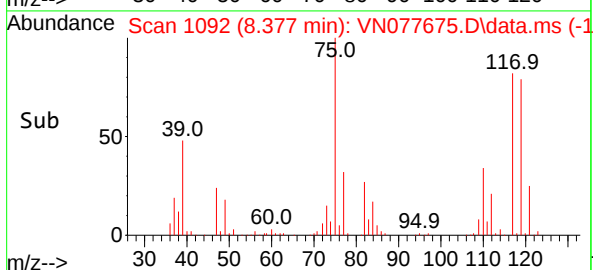
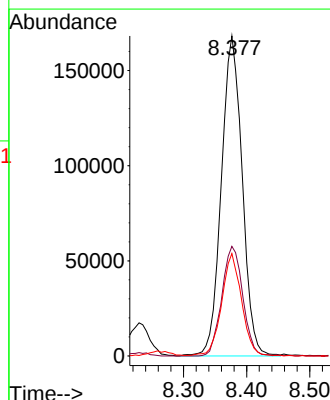
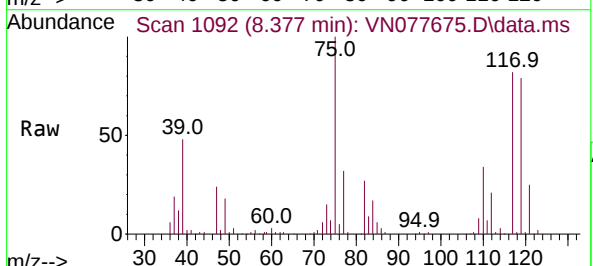
Delta R.T. -0.000 min

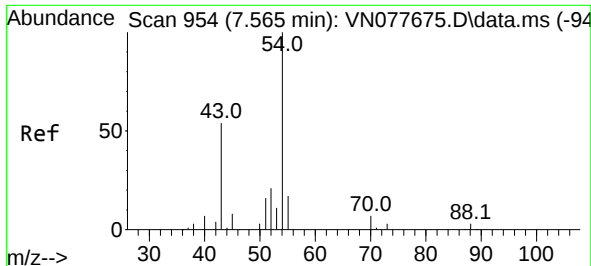
Lab File: VN077675.D

Acq: 15 May 2023 17:37

Tgt Ion: 75 Resp: 385775

Ion	Ratio	Lower	Upper
75	100		
110	34.5	19.1	57.3
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 47.801 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 321508

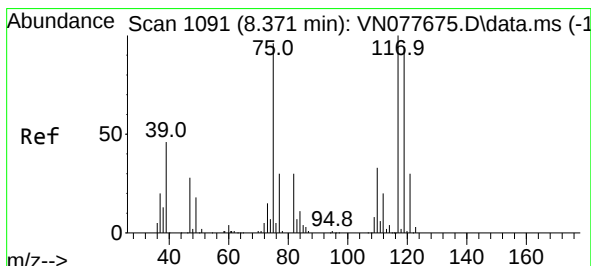
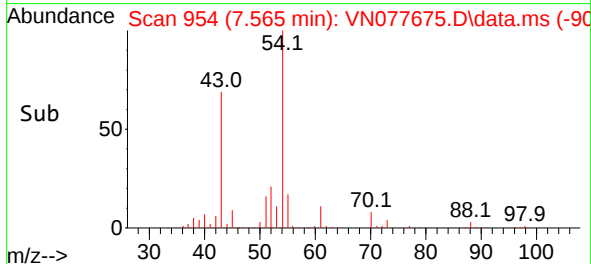
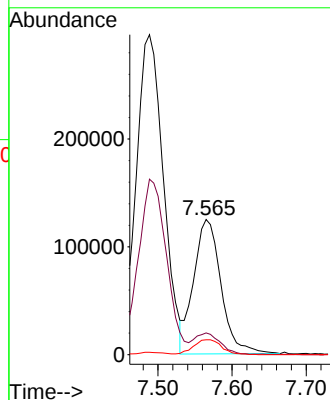
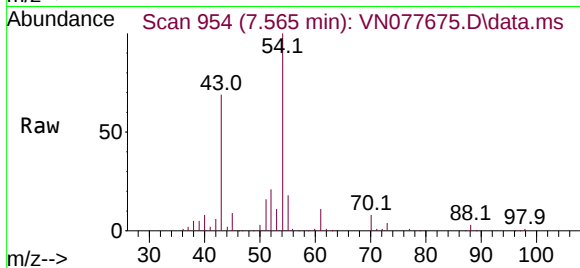
Ion	Ratio	Lower	Upper
43	100		
61	14.5	13.2	19.8
70	11.5	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#38

Carbon Tetrachloride

Concen: 51.760 ug/l

RT: 8.371 min Scan# 1091

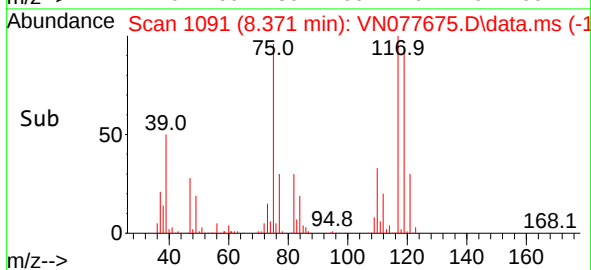
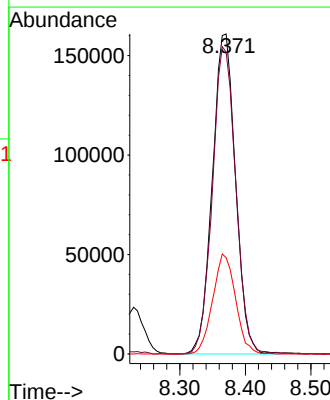
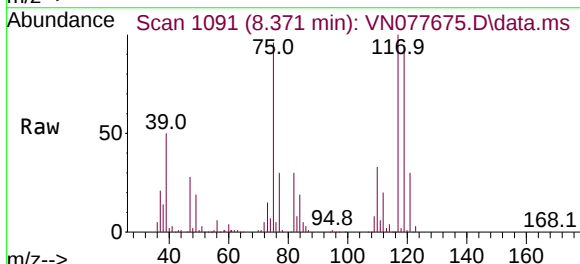
Delta R.T. -0.000 min

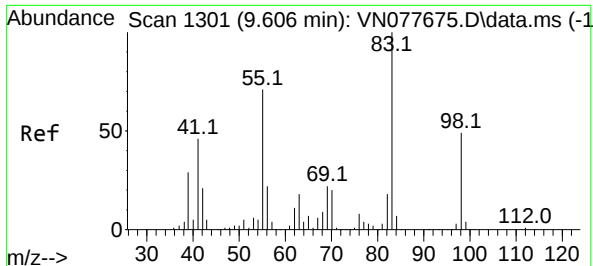
Lab File: VN077675.D

Acq: 15 May 2023 17:37

Tgt Ion:117 Resp: 394419

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.3	115.9
121	30.1	23.3	34.9





#39

Methylcyclohexane

Concen: 51.465 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

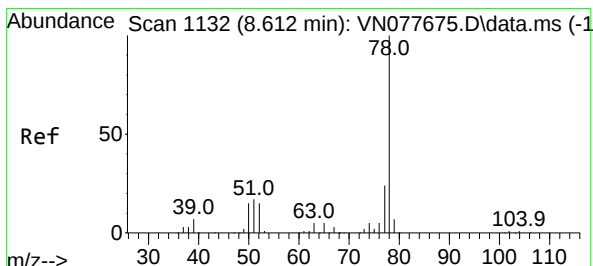
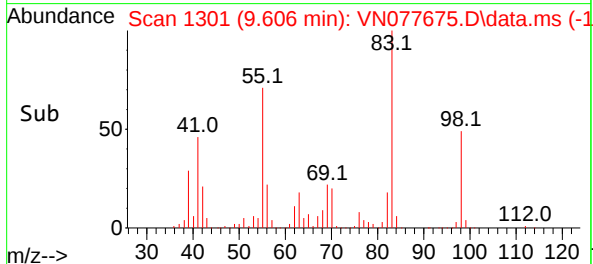
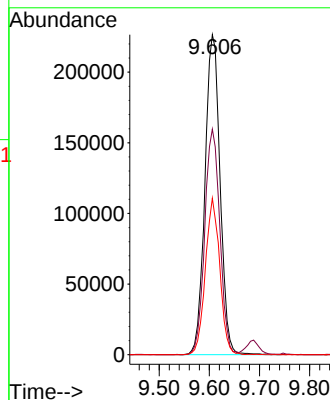
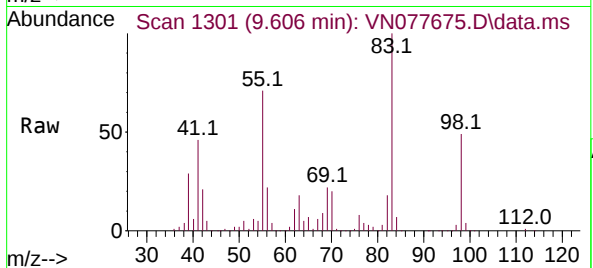
Tgt Ion: 83 Resp: 47545
 Ion Ratio Lower Upper
 83 100
 55 70.5 49.1 73.7
 98 48.9 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#40

Benzene

Concen: 50.153 ug/l

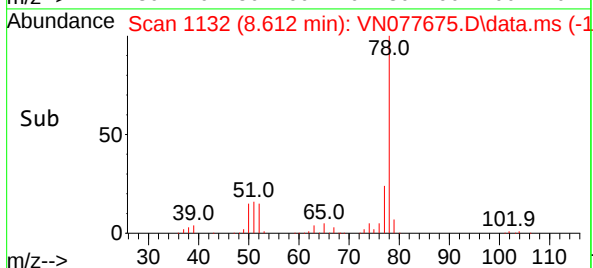
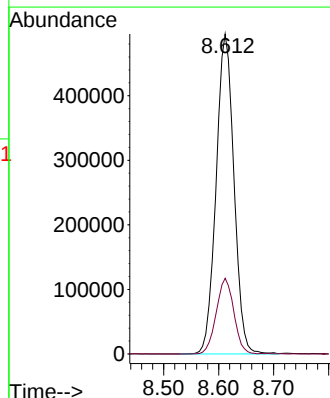
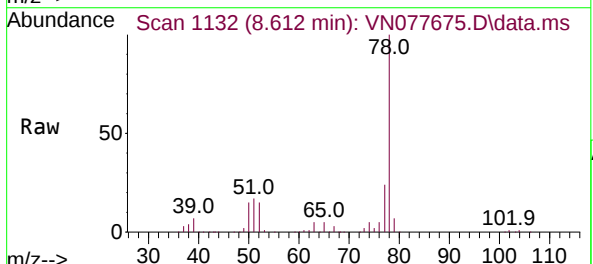
RT: 8.612 min Scan# 1132

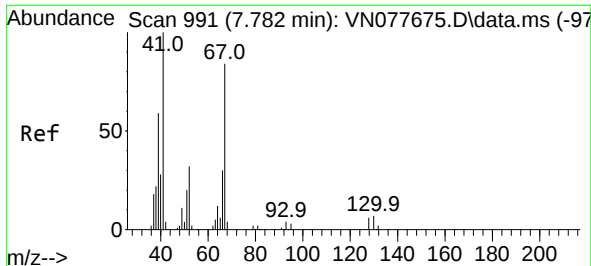
Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

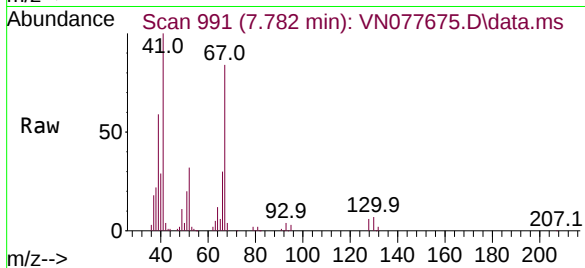
Tgt Ion: 78 Resp: 1116837
 Ion Ratio Lower Upper
 78 100
 77 23.6 19.0 28.6





#41
Methacrylonitrile
Concen: 48.335 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

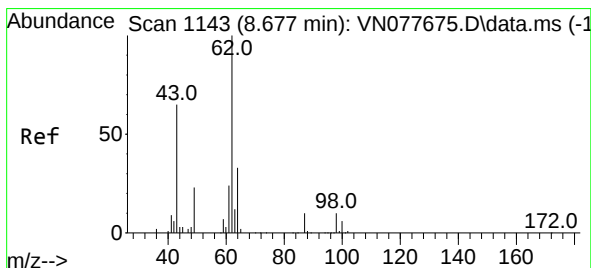
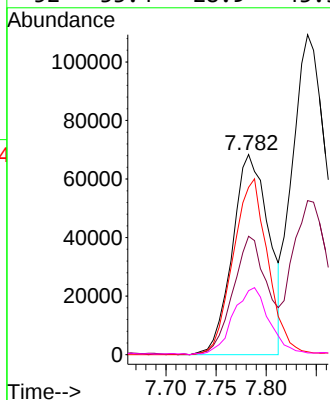
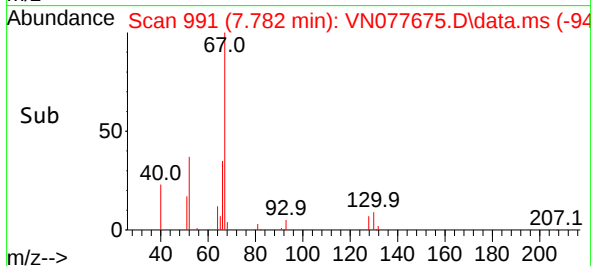
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC050



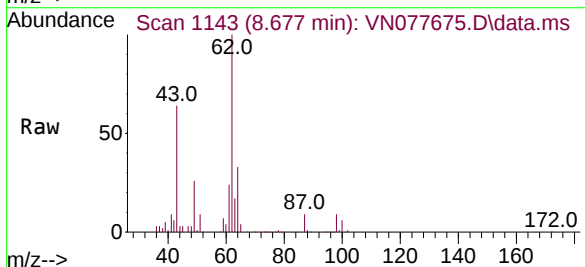
Tgt Ion: 41 Resp: 173135
Ion Ratio Lower Upper
41 100
39 55.9 42.6 64.0
67 84.6 77.5 116.3
52 33.4 28.9 43.3

Manual Integrations
APPROVED

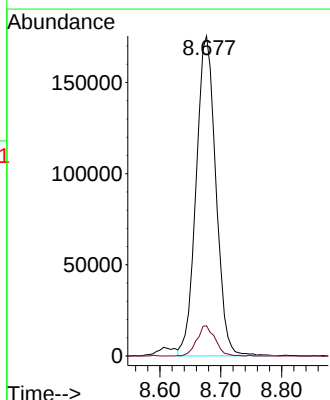
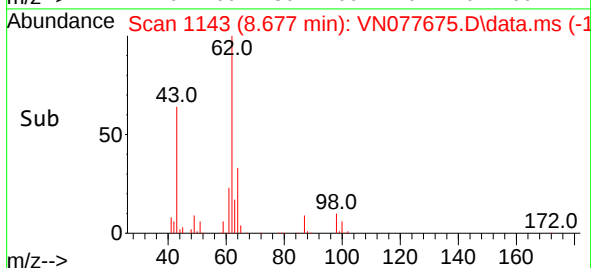
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

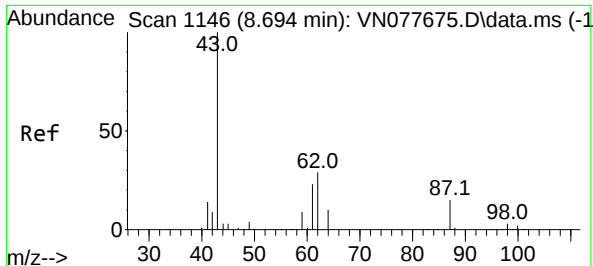


#42
1,2-Dichloroethane
Concen: 48.657 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



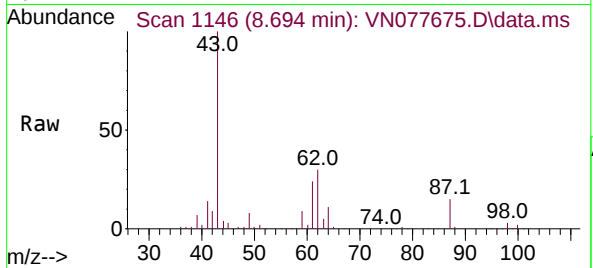
Tgt Ion: 62 Resp: 393597
Ion Ratio Lower Upper
62 100
98 8.8 0.0 19.8





#43
Isopropyl Acetate
Concen: 49.320 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

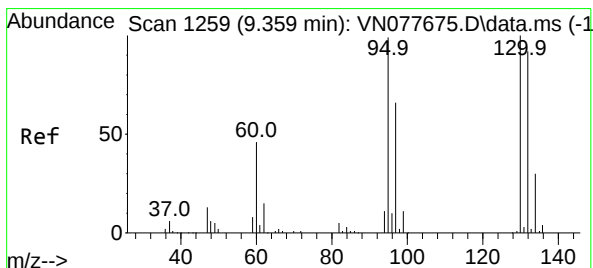
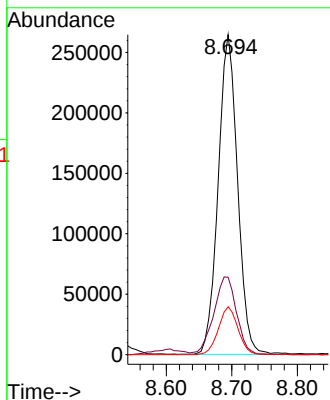
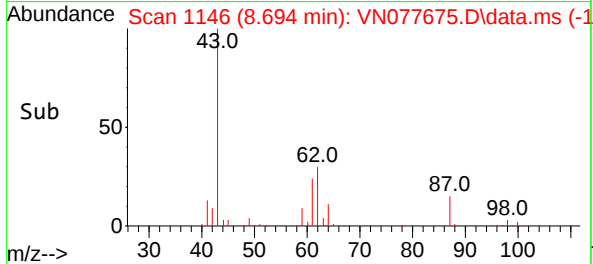
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 541840
Ion Ratio Lower Upper
43 100
61 28.5 24.7 37.1
87 15.1 14.6 21.8

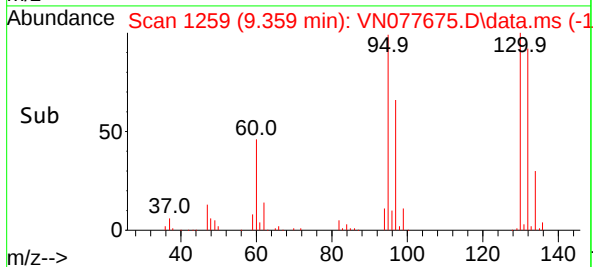
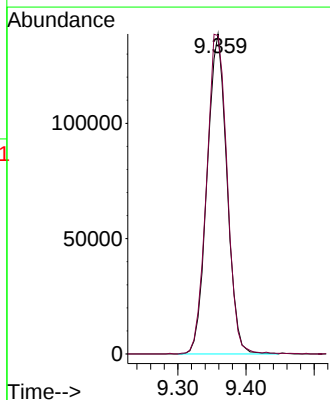
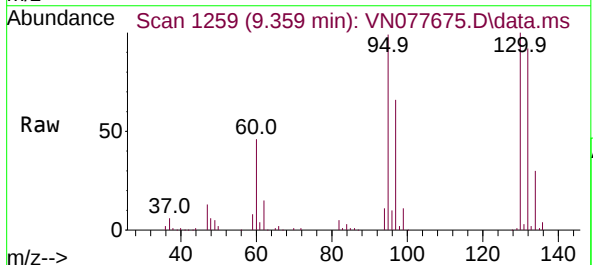
Manual Integrations
APPROVED

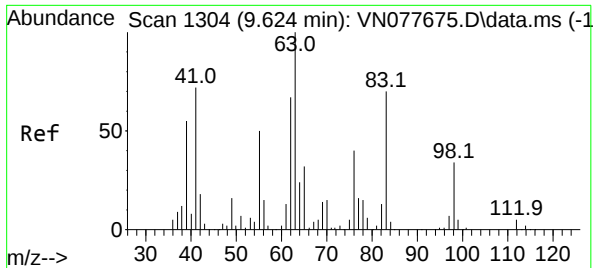
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#44
Trichloroethene
Concen: 49.830 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion:130 Resp: 280973
Ion Ratio Lower Upper
130 100
95 99.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 50.757 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 28830

Ion Ratio Lower Upper

63 100

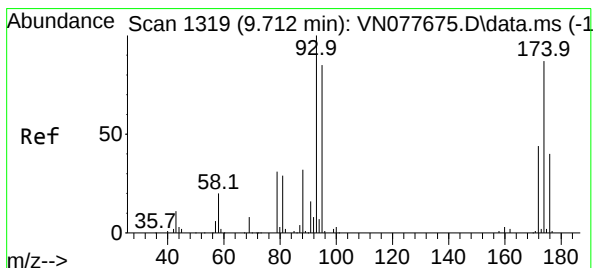
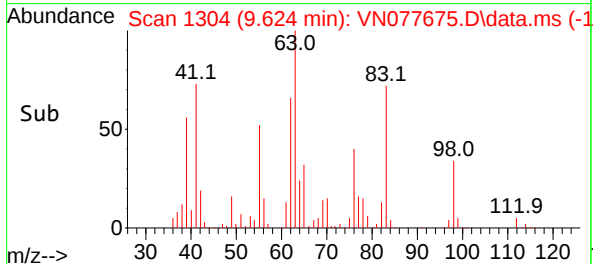
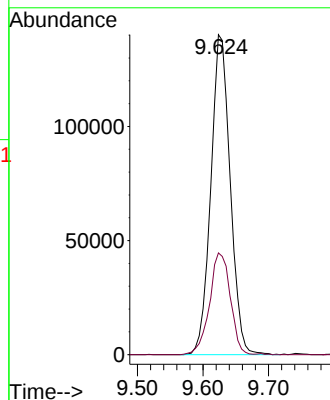
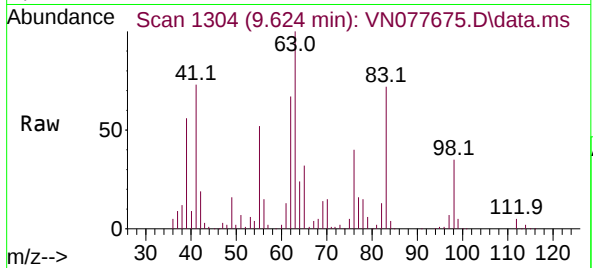
65 31.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#46

Dibromomethane

Concen: 48.771 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

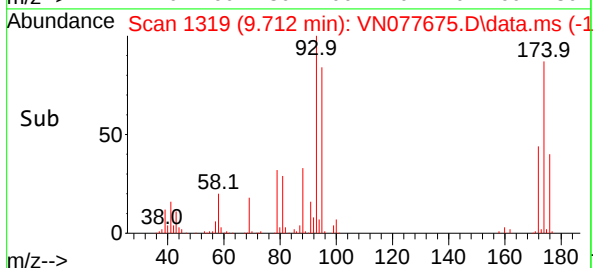
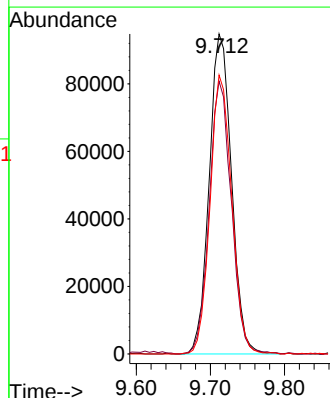
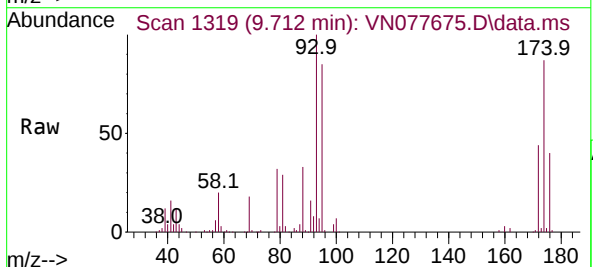
Tgt Ion: 93 Resp: 198228

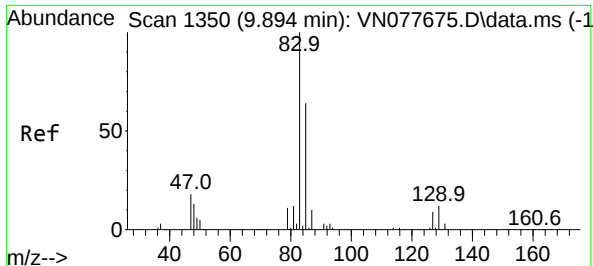
Ion Ratio Lower Upper

93 100

95 84.4 63.8 95.8

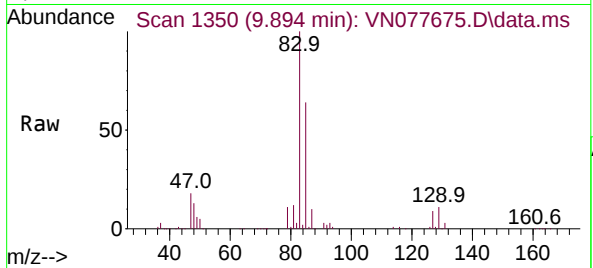
174 85.0 65.6 98.4





#47
Bromodichloromethane
Concen: 51.313 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

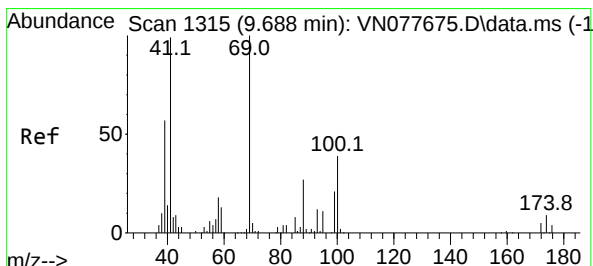
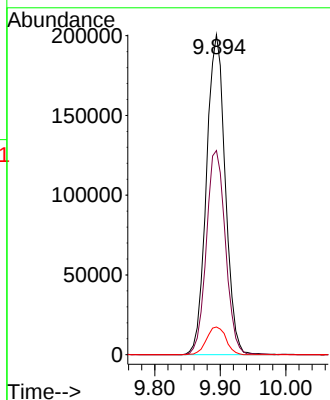
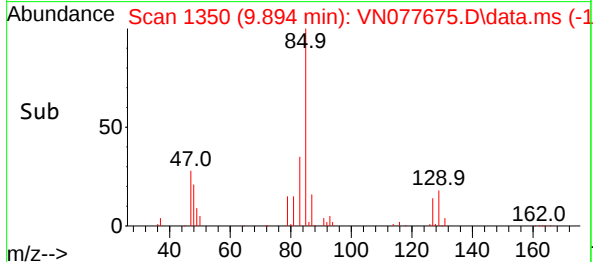
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



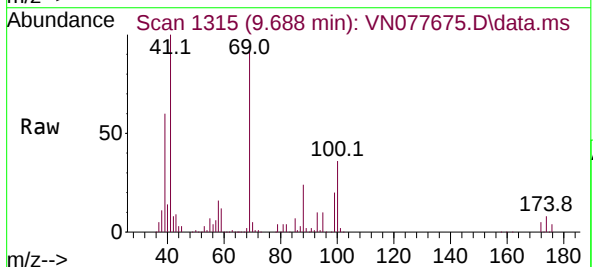
Tgt Ion: 83 Resp: 399294
Ion Ratio Lower Upper
83 100
85 63.8 49.6 74.4
127 8.7 7.0 10.6

Manual Integrations
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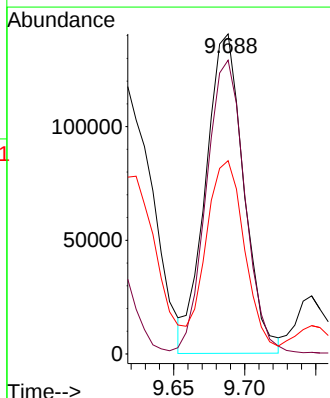
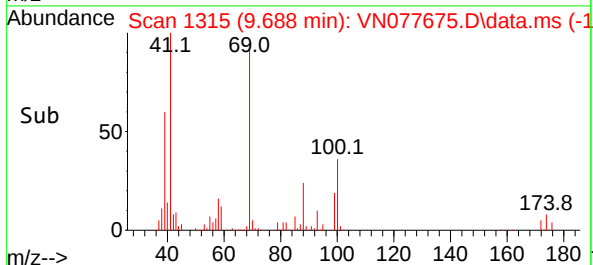
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

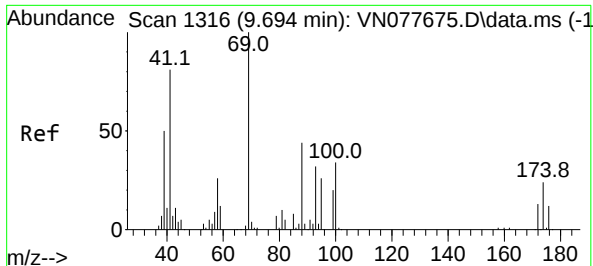


#48
Methyl methacrylate
Concen: 50.389 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 41 Resp: 262465
Ion Ratio Lower Upper
41 100
69 93.6 90.4 135.6
39 61.6 54.6 81.8





#49

1,4-Dioxane

Concen: 1003.333 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 98718

Ion Ratio Lower Upper

88 100

43 27.0 17.0 25.6

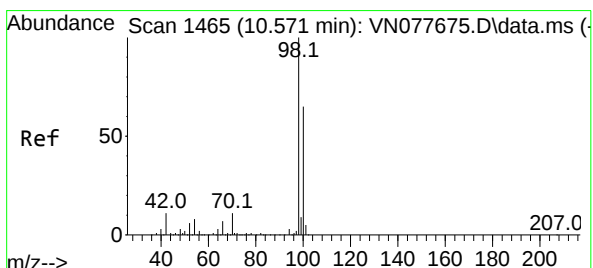
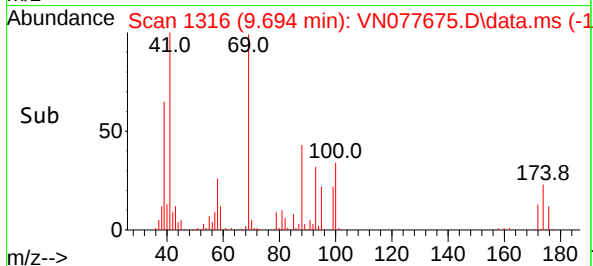
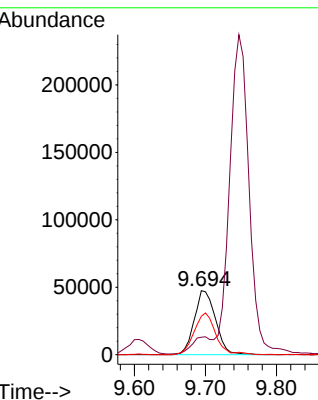
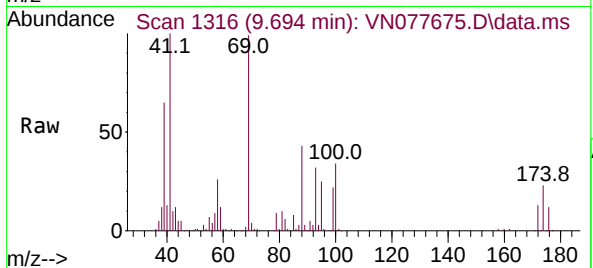
58 64.3 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#50

Toluene-d8

Concen: 51.618 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077675.D

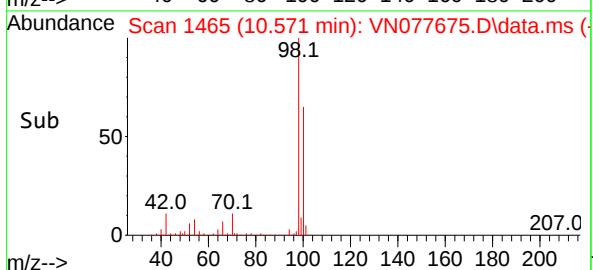
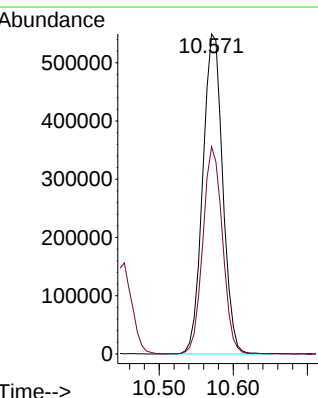
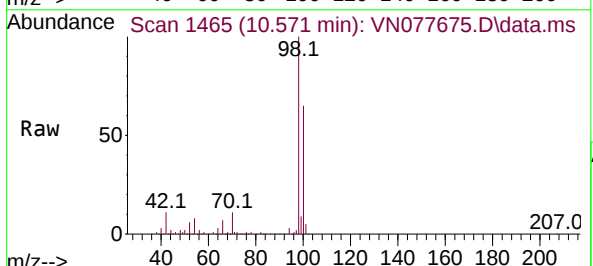
Acq: 15 May 2023 17:37

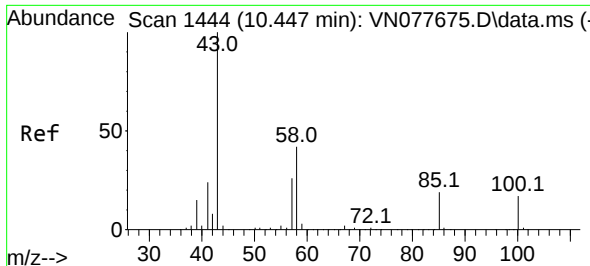
Tgt Ion: 98 Resp: 1025053

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0





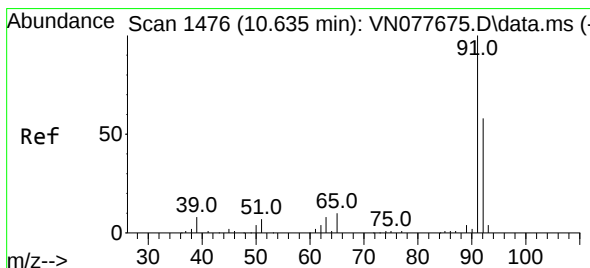
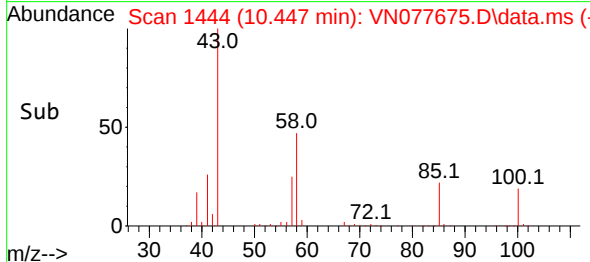
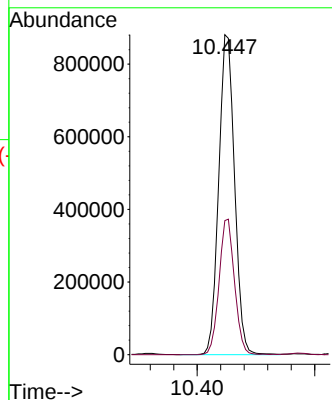
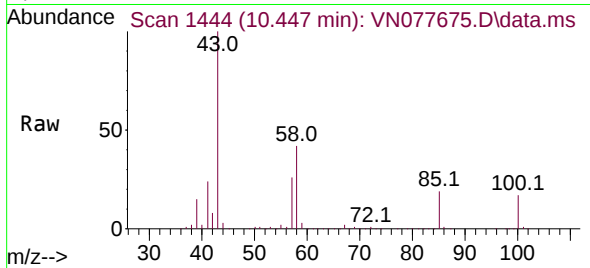
#51
4-Methyl-2-Pentanone
Concen: 252.145 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 164659
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8

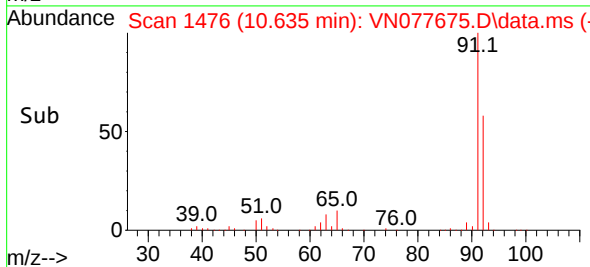
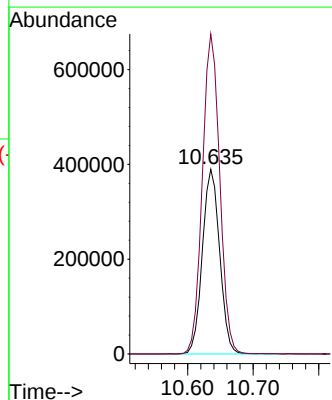
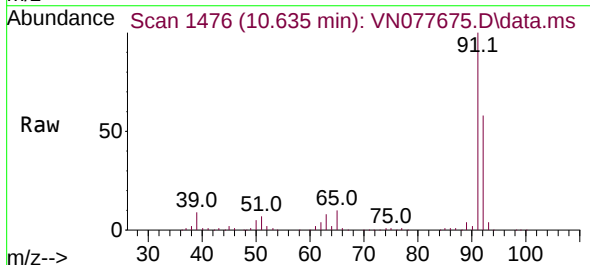
Manual Integrations
APPROVED

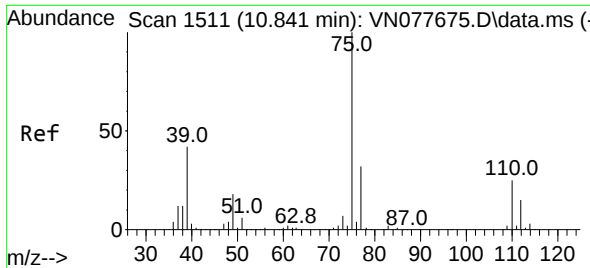
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#52
Toluene
Concen: 51.572 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

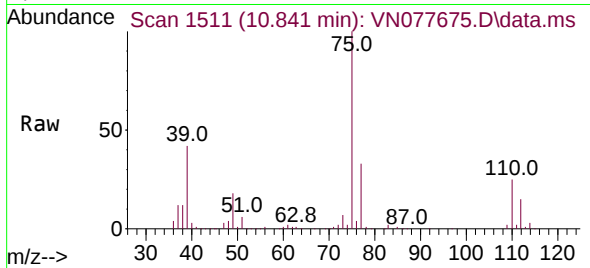
Tgt Ion: 92 Resp: 714965
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 52.166 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37

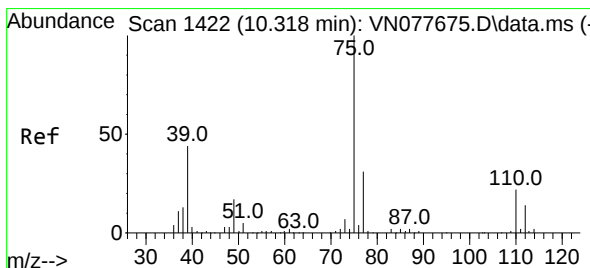
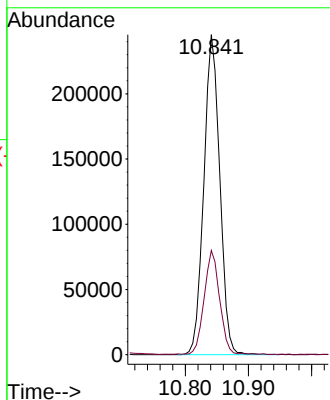
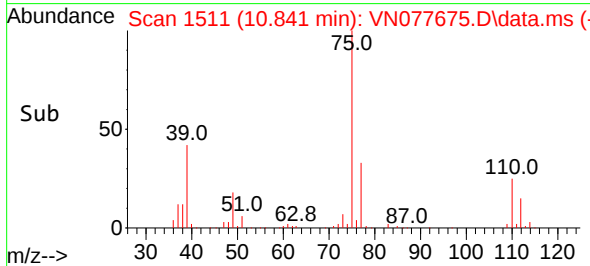
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050



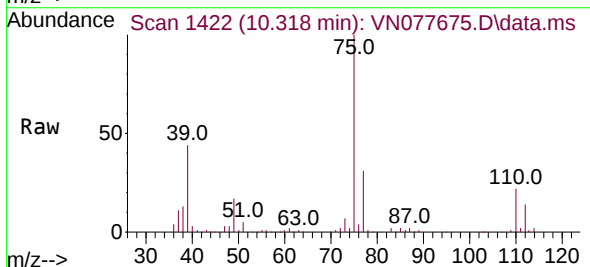
Tgt Ion: 75 Resp: 42986
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0

Manual Integrations
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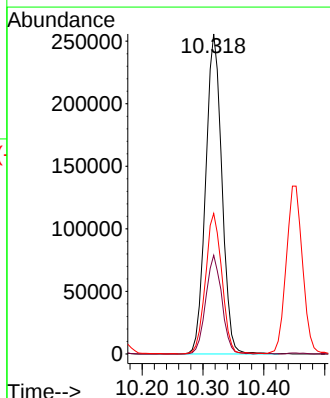
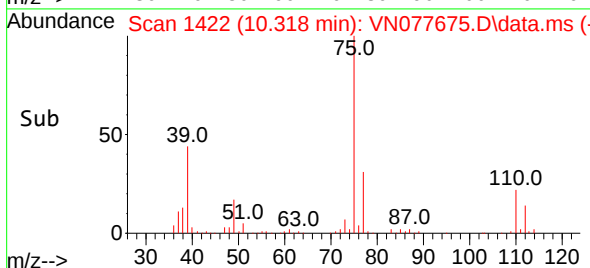
Reviewed By :John Carlone 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023

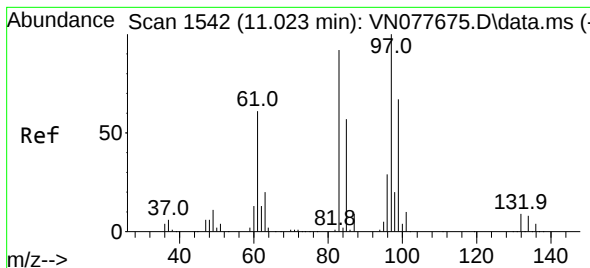


#54
 cis-1,3-Dichloropropene
 Concen: 52.051 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37



Tgt Ion: 75 Resp: 472670
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.1 39.1
 39 43.9 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 49.566 ug/l

RT: 11.023 min Scan# 1542

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 272839

Ion Ratio Lower Upper

97 100

83 91.5 65.1 97.7

85 57.5 43.4 65.2

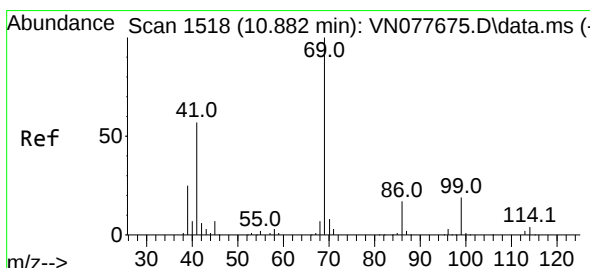
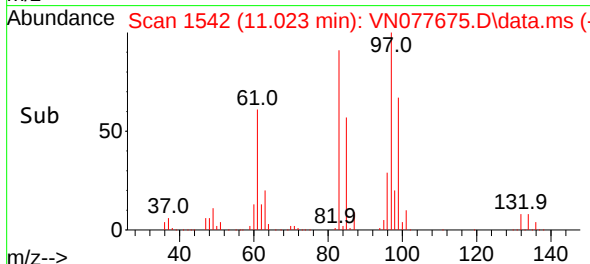
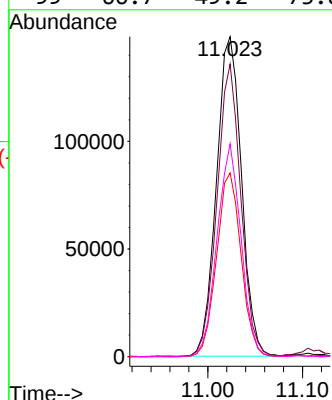
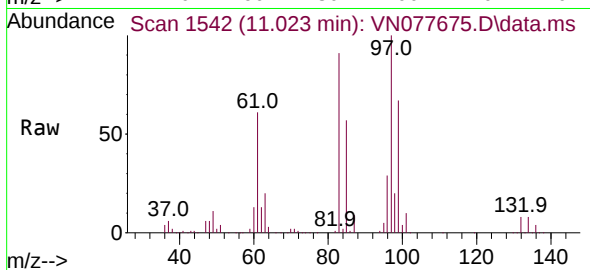
99 66.7 49.2 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#56

Ethyl methacrylate

Concen: 51.505 ug/l

RT: 10.882 min Scan# 1518

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

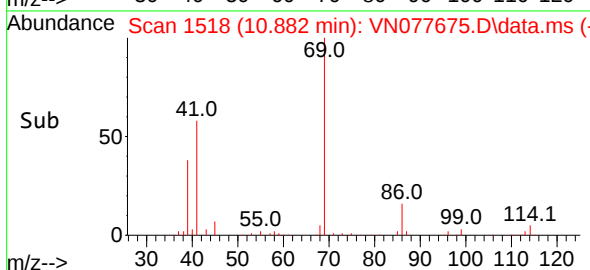
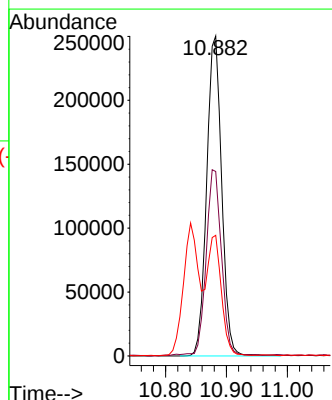
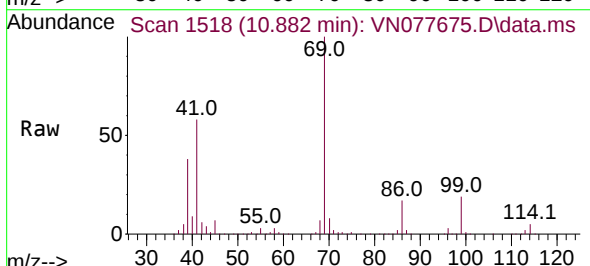
Tgt Ion: 69 Resp: 428670

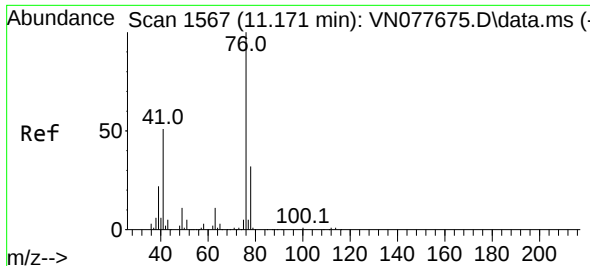
Ion Ratio Lower Upper

69 100

41 60.3 39.6 59.4#

39 36.7 28.6 43.0





#57

1,3-Dichloropropane

Concen: 50.596 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 47745

Ion Ratio Lower Upper

76 100

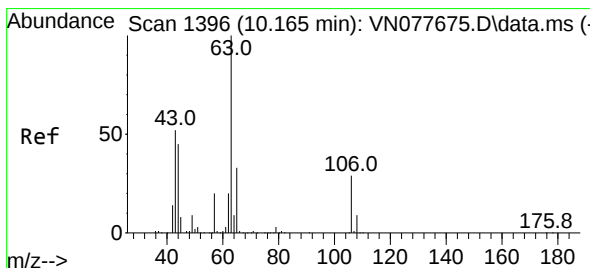
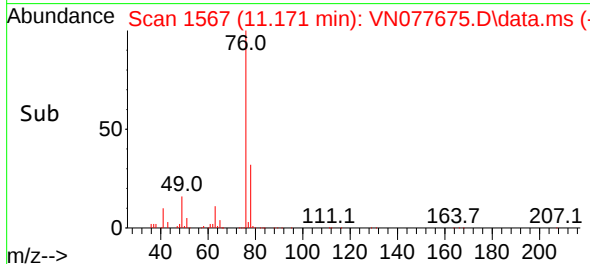
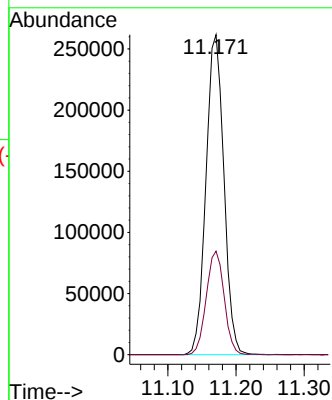
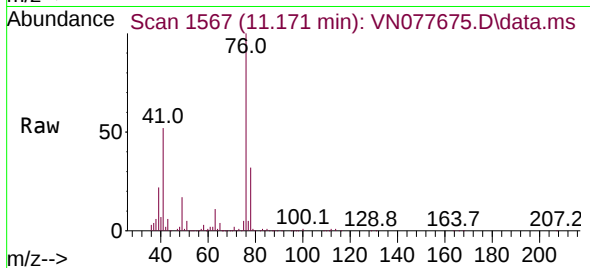
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#58

2-Chloroethyl Vinyl ether

Concen: 252.946 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077675.D

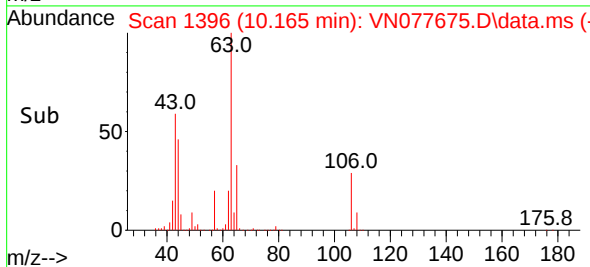
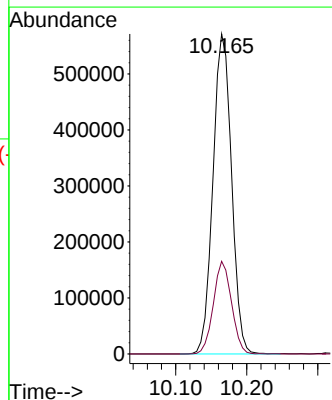
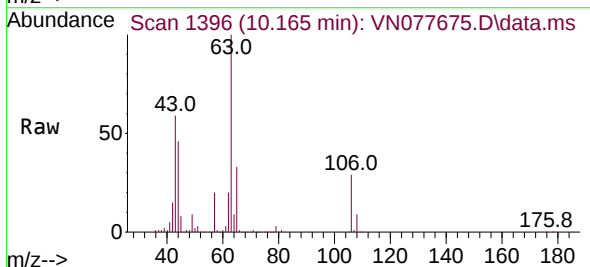
Acq: 15 May 2023 17:37

Tgt Ion: 63 Resp: 1035696

Ion Ratio Lower Upper

63 100

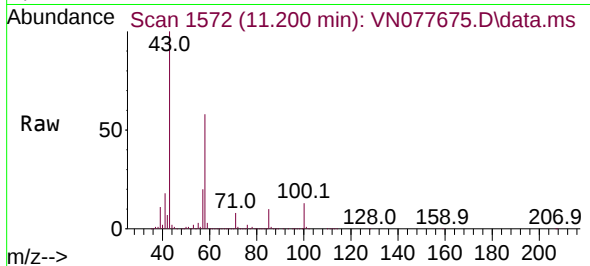
106 28.3 26.2 39.4





#59
2-Hexanone
Concen: 251.656 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

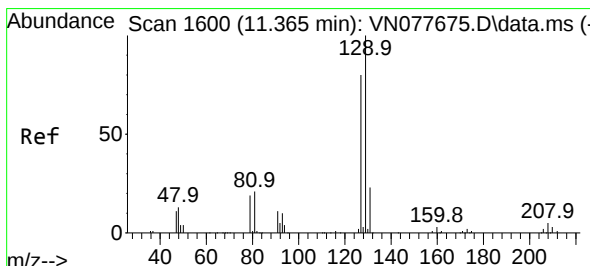
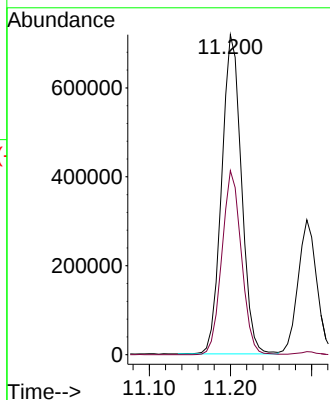
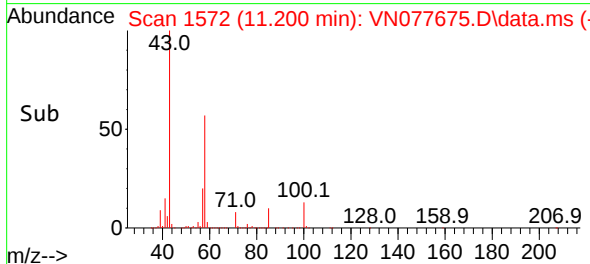
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 121555
Ion Ratio Lower Upper
43 100
58 56.9 31.7 95.1

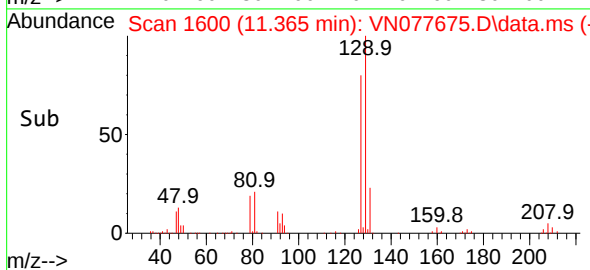
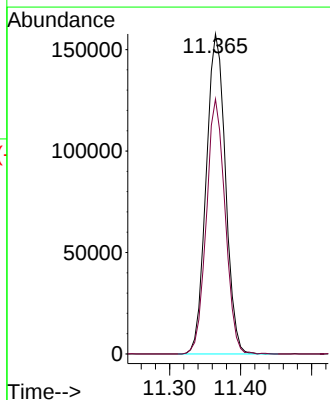
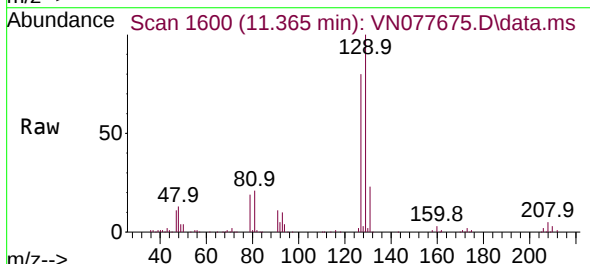
Manual Integrations
APPROVED

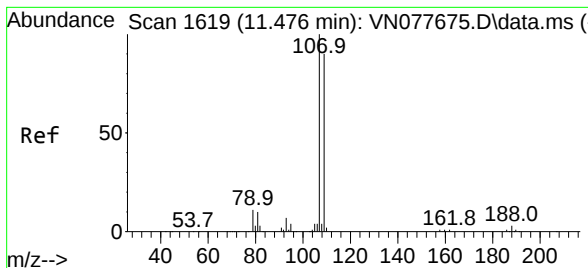
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#60
Dibromochloromethane
Concen: 52.296 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

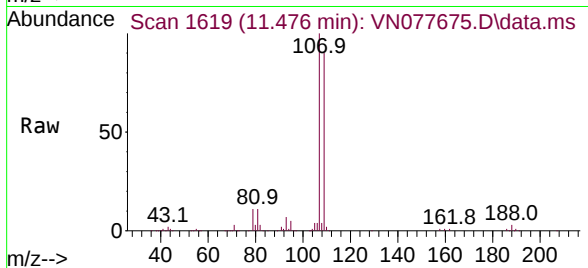
Tgt Ion:129 Resp: 297181
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61
1,2-Dibromoethane
Concen: 52.291 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

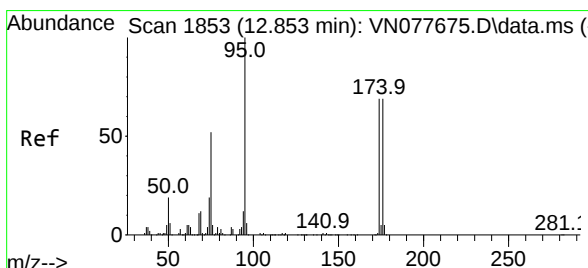
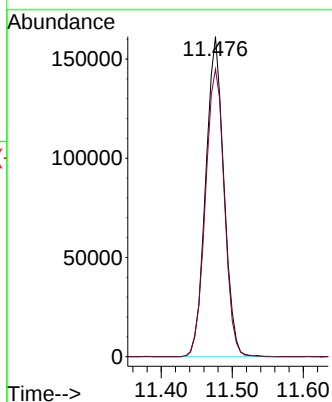
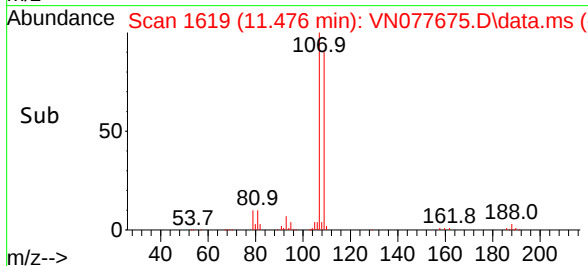
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 28715
Ion Ratio Lower Upper
107 100
109 93.6 76.6 114.8

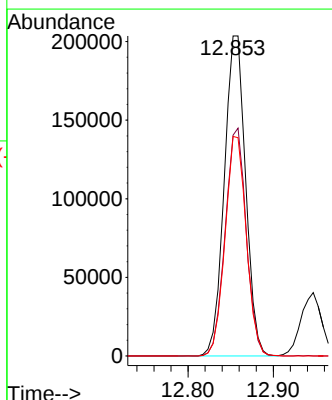
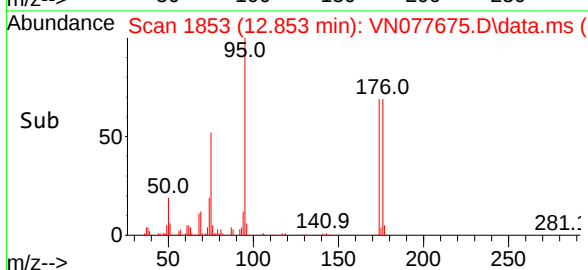
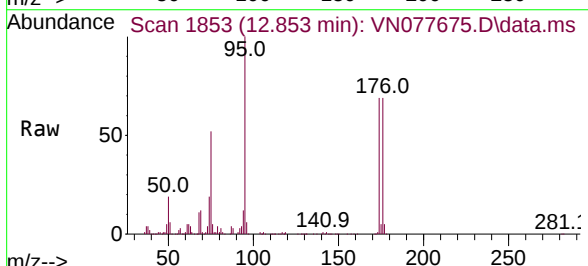
Manual Integrations
APPROVED

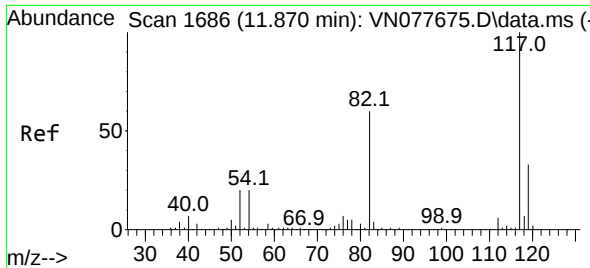
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#62
4-Bromofluorobenzene
Concen: 50.489 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

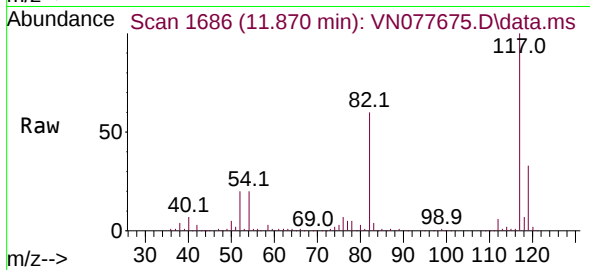
Tgt Ion: 95 Resp: 354109
Ion Ratio Lower Upper
95 100
174 70.2 0.0 143.8
176 68.2 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

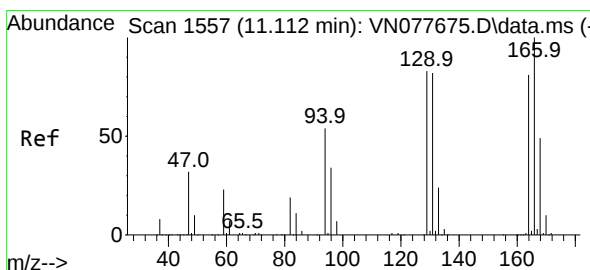
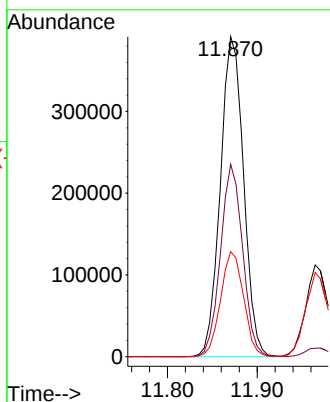
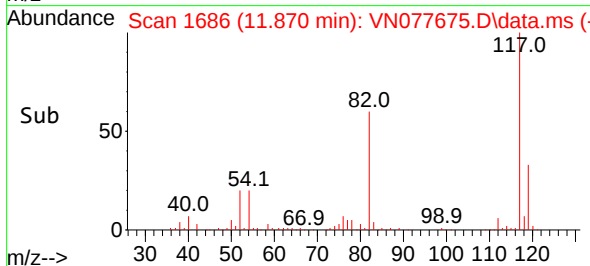
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 703594
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 32.8 25.6 38.4

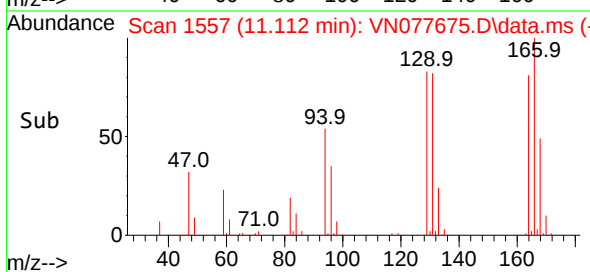
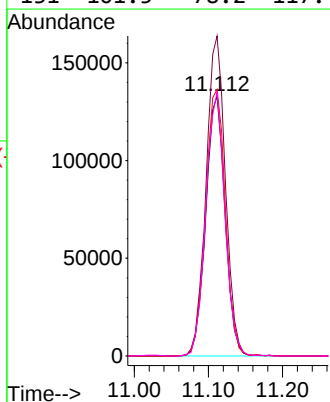
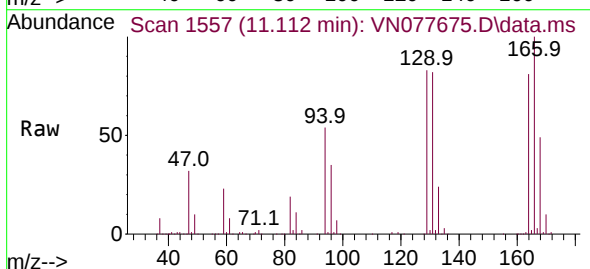
Manual Integrations
APPROVED

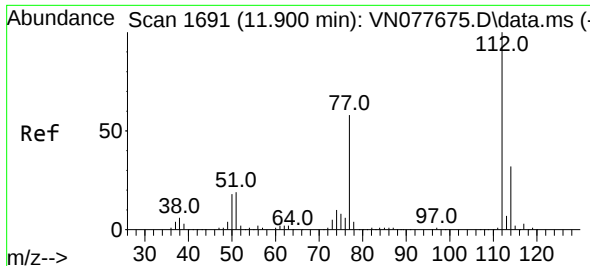
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#64
Tetrachloroethene
Concen: 48.711 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

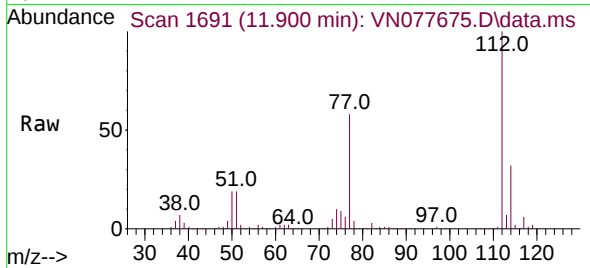
Tgt Ion:164 Resp: 239677
Ion Ratio Lower Upper
164 100
166 123.1 101.4 152.0
129 102.6 82.4 123.6
131 101.5 78.2 117.4





#65
Chlorobenzene
Concen: 49.427 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

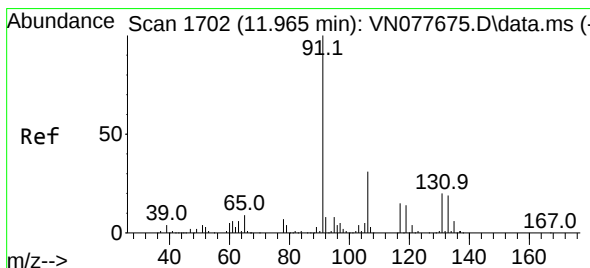
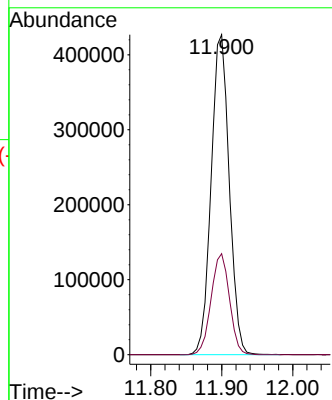
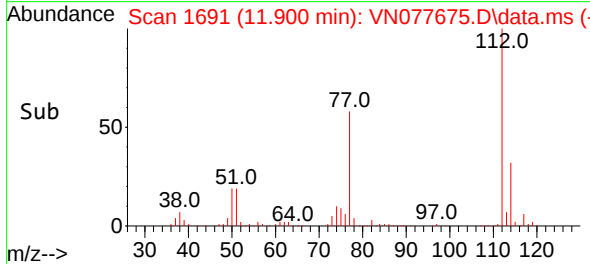
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 753915
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4

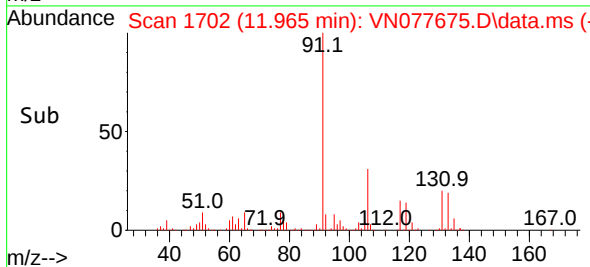
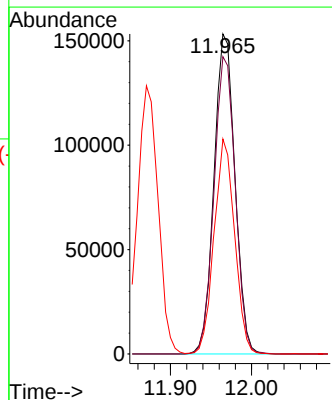
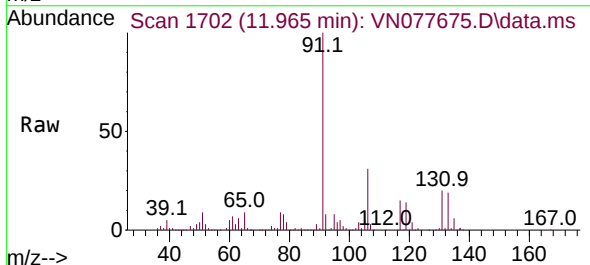
Manual Integrations
APPROVED

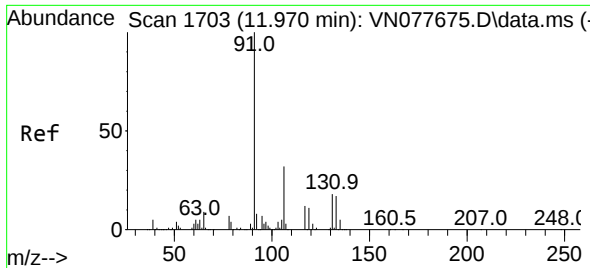
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 52.105 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

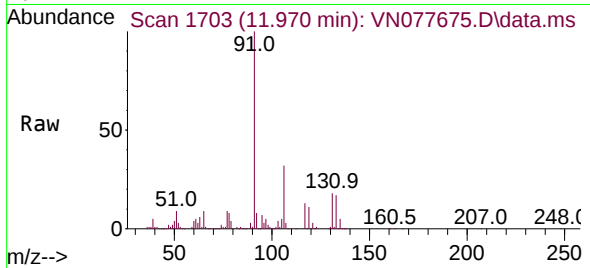
Tgt Ion:131 Resp: 275000
Ion Ratio Lower Upper
131 100
133 94.4 46.4 139.1
119 65.9 34.1 102.2





#67
Ethyl Benzene
Concen: 51.136 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

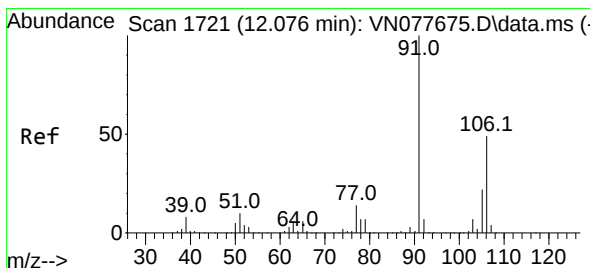
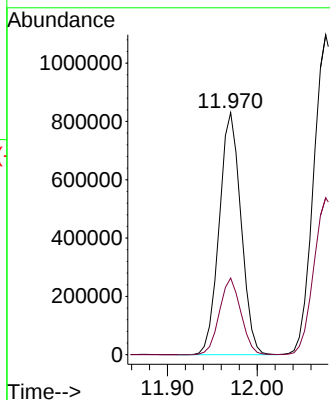
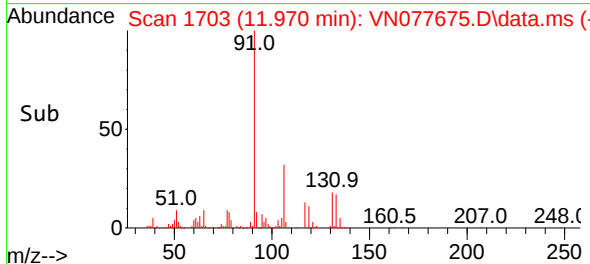
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



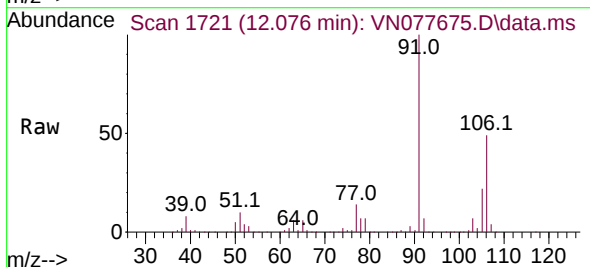
Tgt Ion: 91 Resp: 139775
Ion Ratio Lower Upper
91 100
106 31.7 25.6 38.4

Manual Integrations
APPROVED

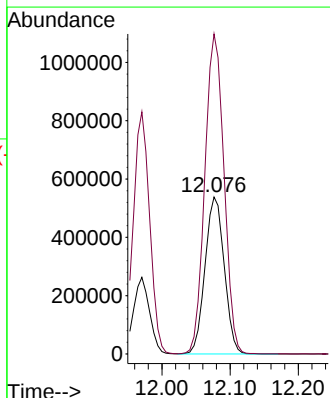
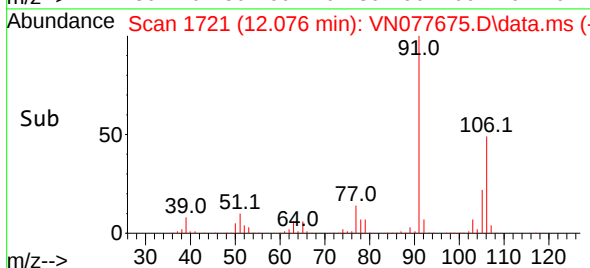
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

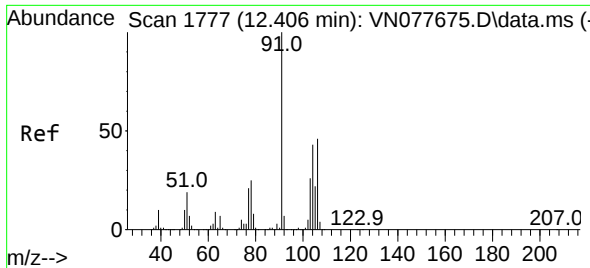


#68
m/p-Xylenes
Concen: 101.814 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion:106 Resp: 1054504
Ion Ratio Lower Upper
106 100
91 203.5 159.6 239.4





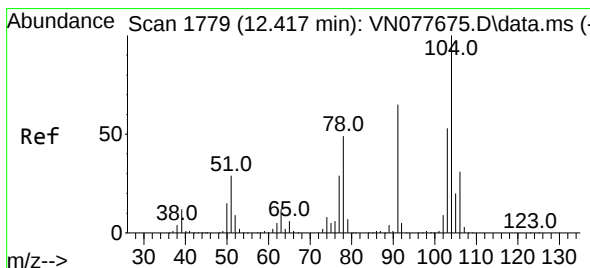
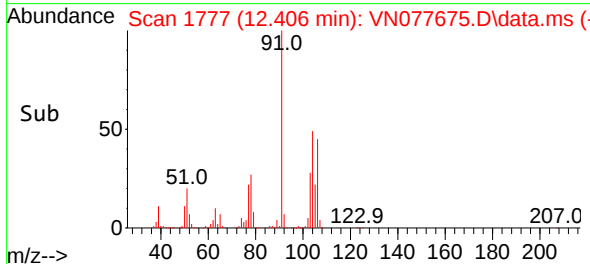
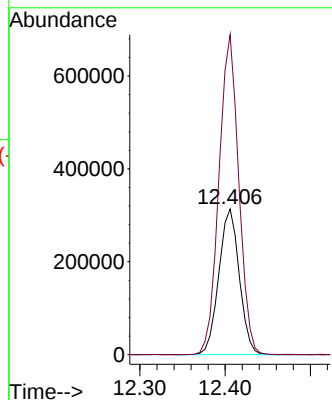
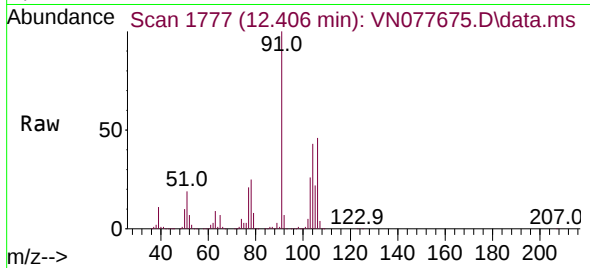
#69
o-Xylene
Concen: 51.382 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 52336
Ion Ratio Lower Upper
106 100
91 212.8 105.2 315.5

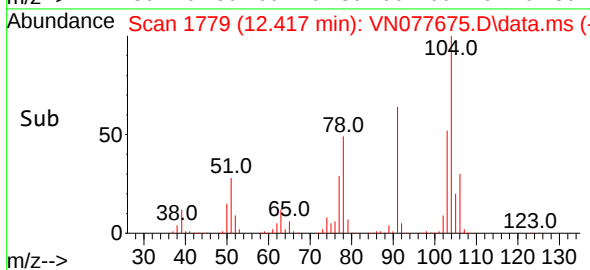
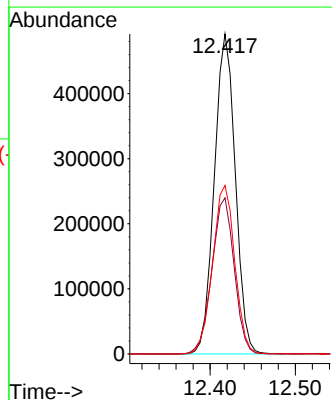
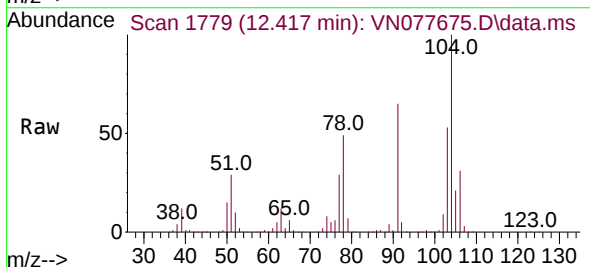
Manual Integrations
APPROVED

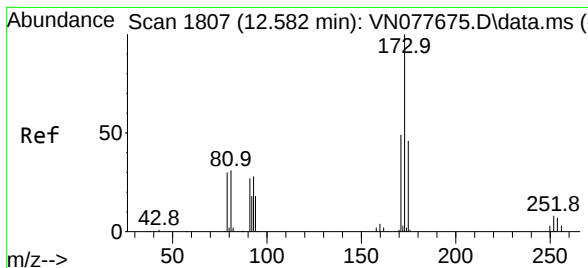
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#70
Styrene
Concen: 51.997 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion:104 Resp: 841346
Ion Ratio Lower Upper
104 100
78 51.7 39.5 59.3
103 55.8 43.2 64.8





#71

Bromoform

Concen: 54.777 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

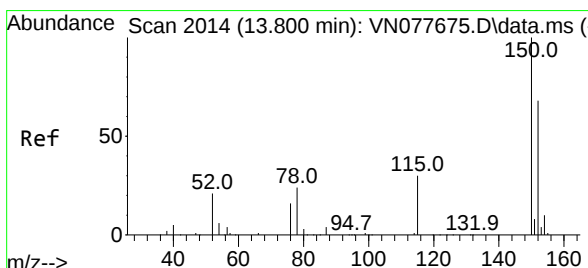
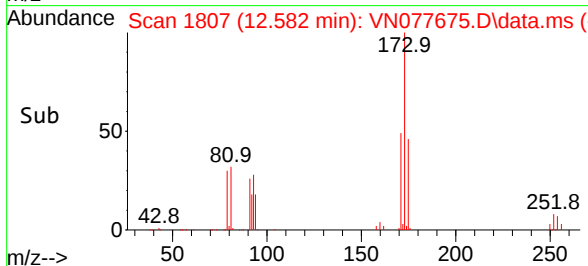
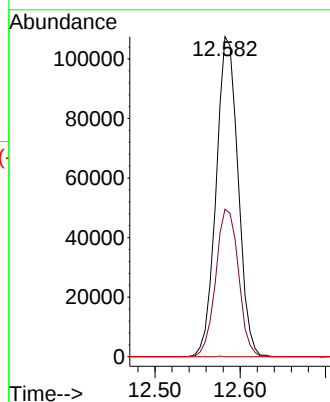
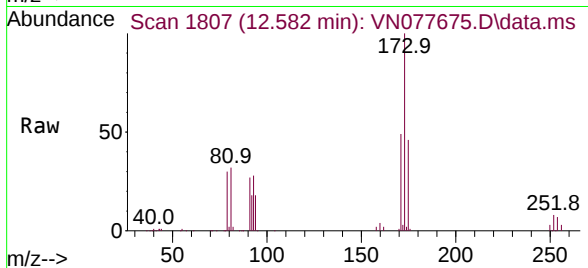
Tgt Ion:173	Resp: 192320
Ion Ratio	Lower Upper
173	100
175	47.8 24.3 73.0
254	0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

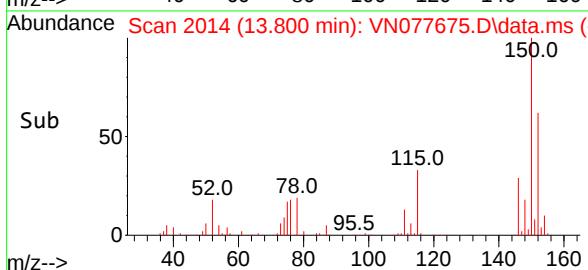
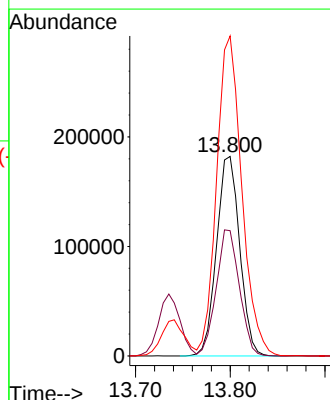
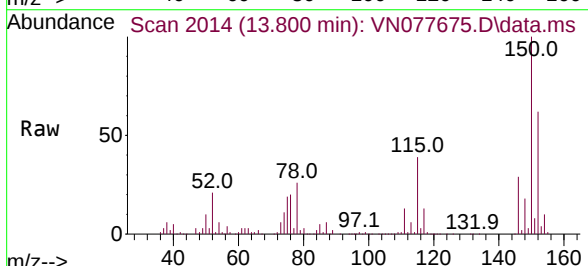
RT: 13.800 min Scan# 2014

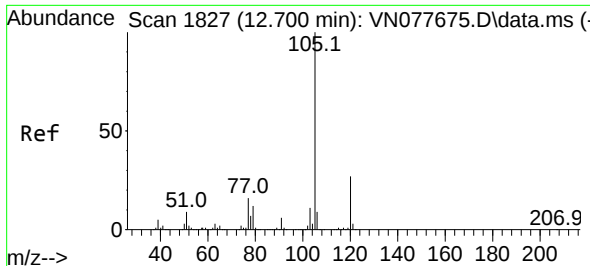
Delta R.T. -0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

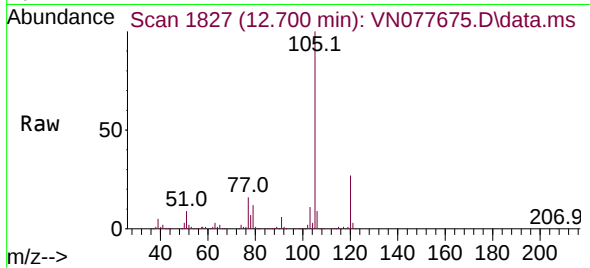
Tgt Ion:152	Resp: 309147
Ion Ratio	Lower Upper
152	100
115	63.4 32.3 96.8
150	174.8 0.0 355.8





#73
Isopropylbenzene
Concen: 51.171 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

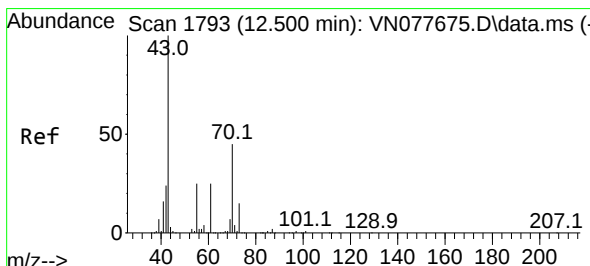
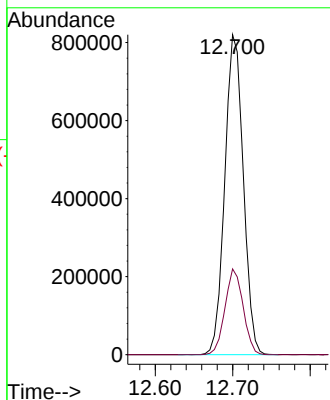
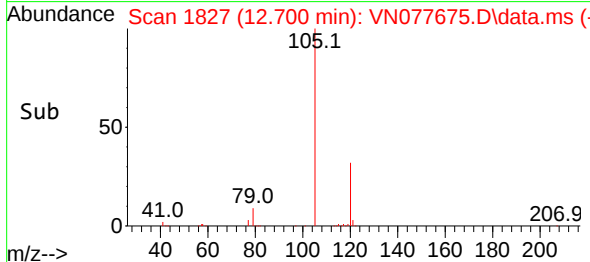
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 1363624
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1

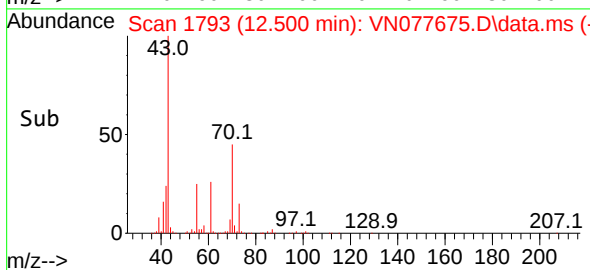
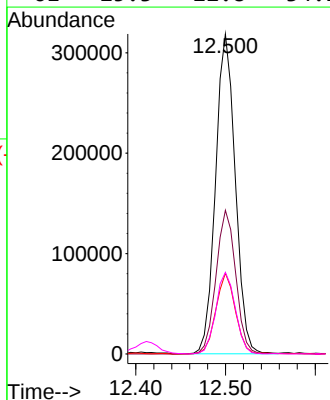
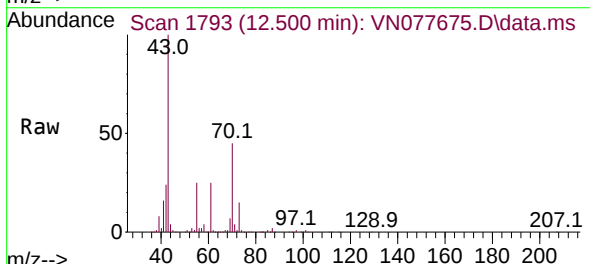
Manual Integrations
APPROVED

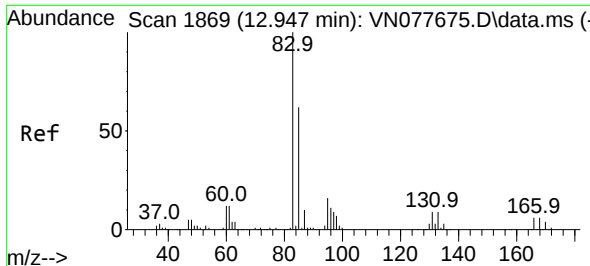
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#74
N-ethyl acetate
Concen: 49.269 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

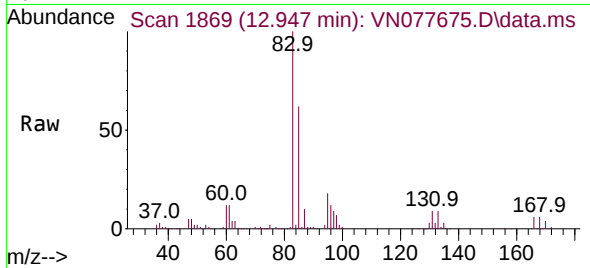
Tgt Ion: 43 Resp: 485303
Ion Ratio Lower Upper
43 100
70 44.9 43.4 65.2
55 25.0 21.4 32.0
61 25.3 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 48.279 ug/l
RT: 12.947 min Scan# 1869
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

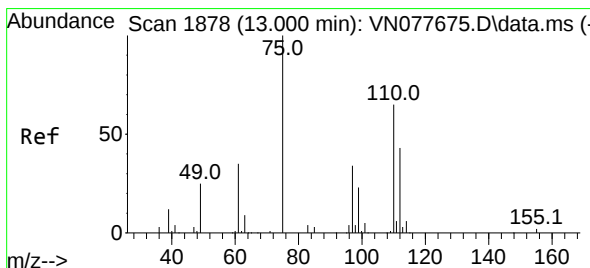
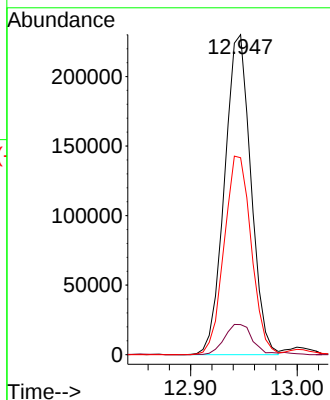
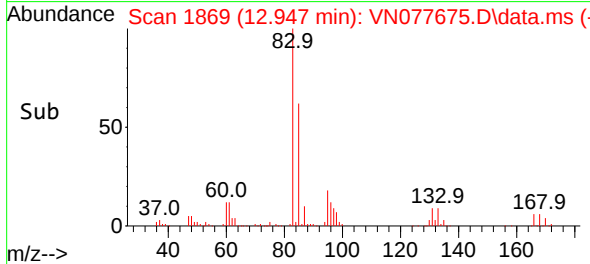
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 395790
Ion Ratio Lower Upper
83 100
131 10.4 5.0 15.0
85 64.0 31.9 95.7

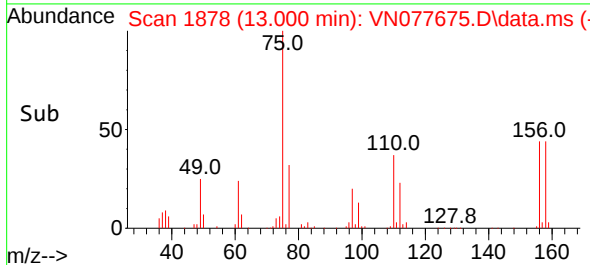
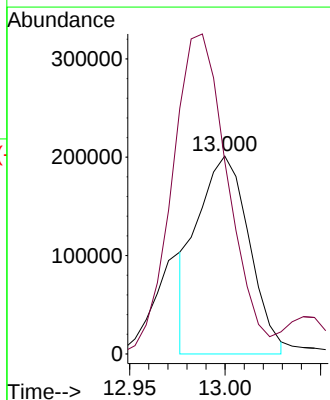
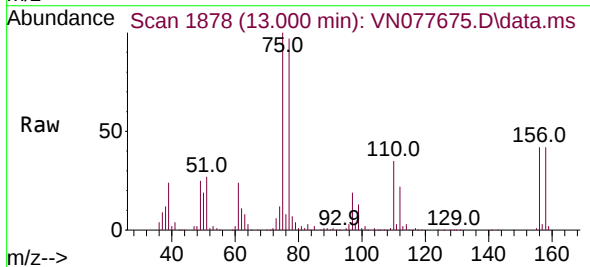
Manual Integrations
APPROVED

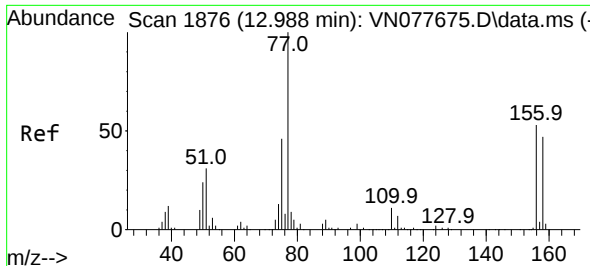
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#76
1,2,3-Trichloropropane
Concen: 50.579 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

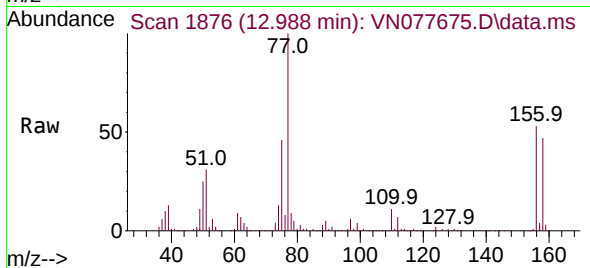
Tgt Ion: 75 Resp: 377605
Ion Ratio Lower Upper
75 100
77 175.1 84.5 253.5





#77
Bromobenzene
Concen: 48.420 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

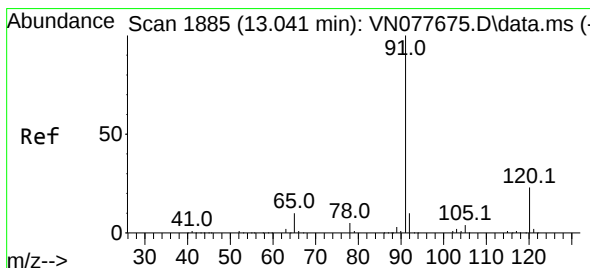
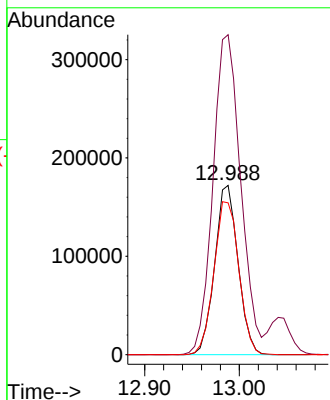
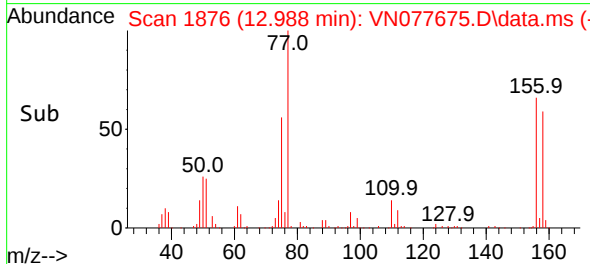
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



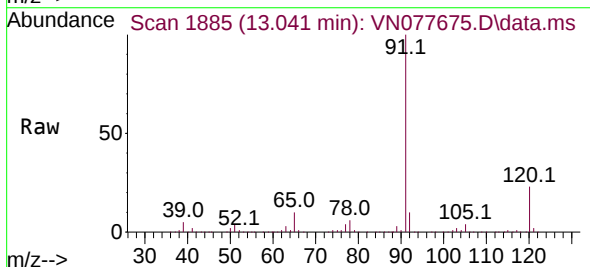
Tgt Ion:156 Resp: 294459
Ion Ratio Lower Upper
156 100
77 224.5 107.7 323.3
158 96.6 48.4 145.3

Manual Integrations
APPROVED

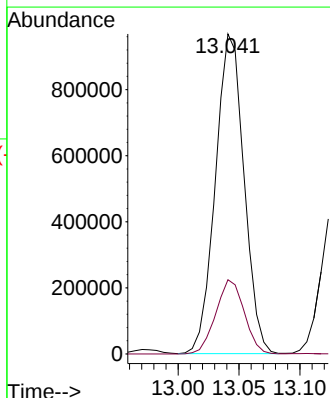
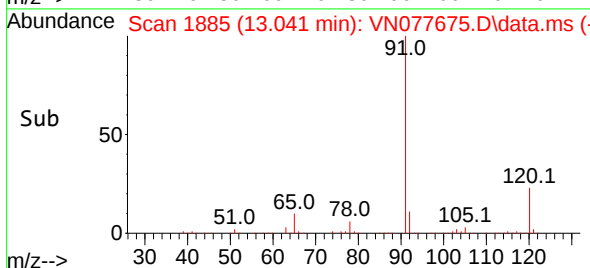
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

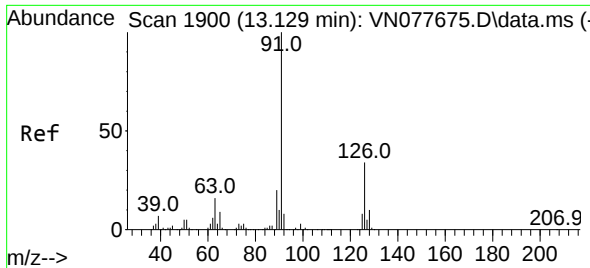


#78
n-propylbenzene
Concen: 50.298 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 91 Resp: 1580225
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4





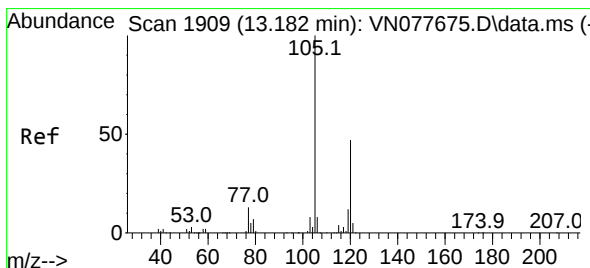
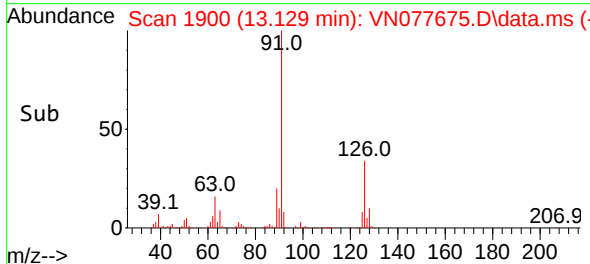
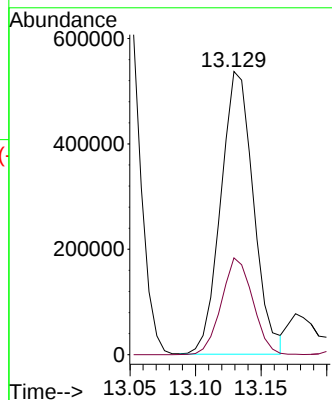
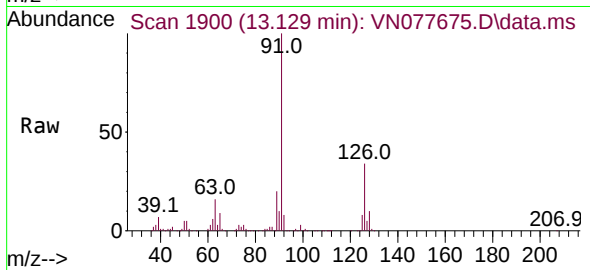
#79
2-Chlorotoluene
Concen: 49.682 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 931399
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.8

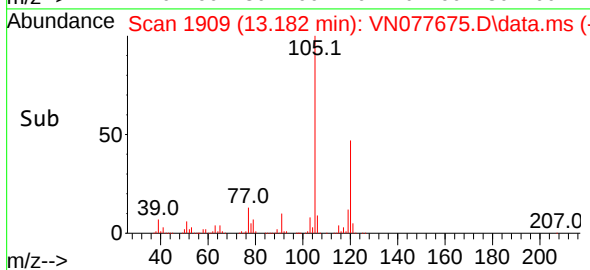
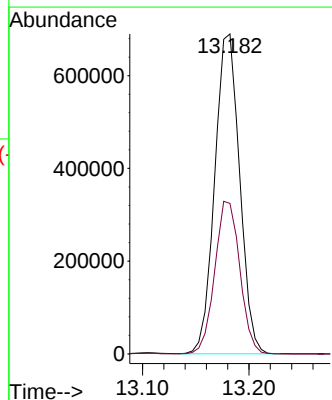
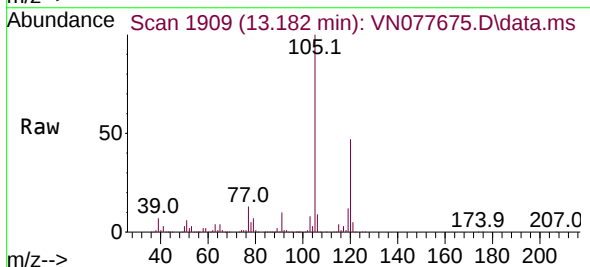
Manual Integrations
APPROVED

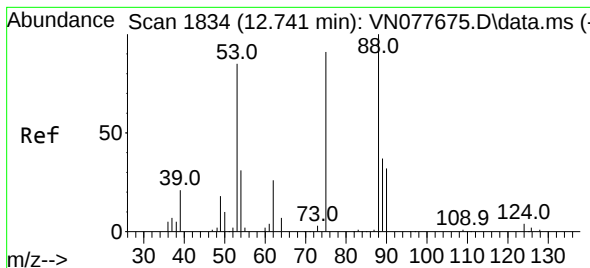
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#80
1,3,5-Trimethylbenzene
Concen: 49.950 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

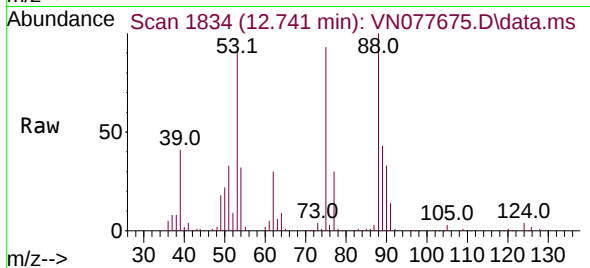
Tgt Ion:105 Resp: 1118734
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 50.472 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

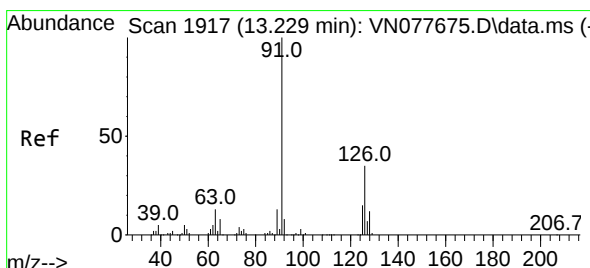
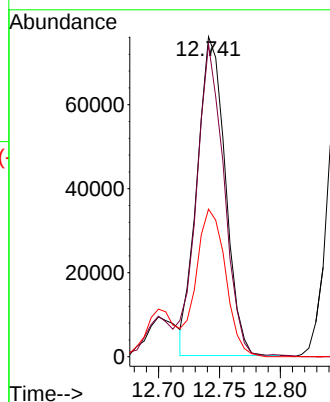
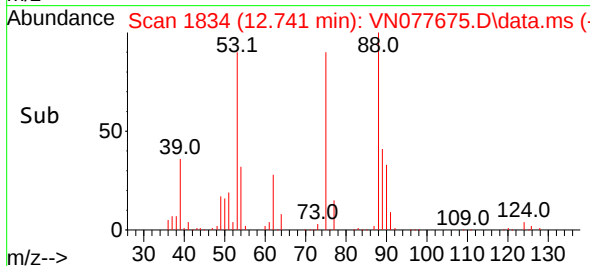
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



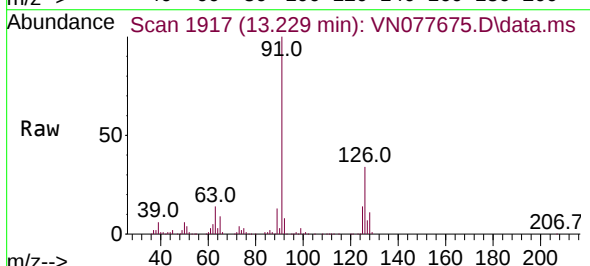
Tgt Ion: 75 Resp: 122249
Ion Ratio Lower Upper
75 100
53 95.6 67.4 101.2
89 48.2 38.8 58.2

Manual Integrations
APPROVED

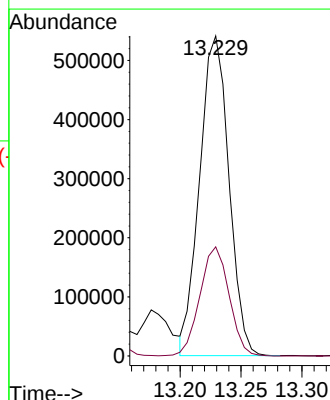
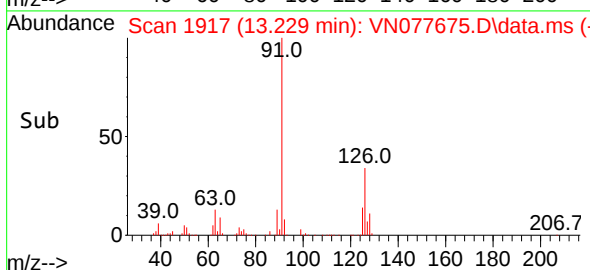
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

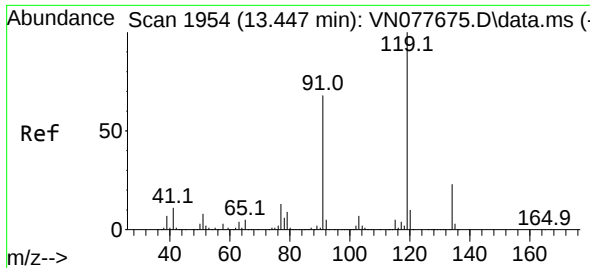


#82
4-Chlorotoluene
Concen: 48.569 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



Tgt Ion: 91 Resp: 905933
Ion Ratio Lower Upper
91 100
126 34.1 16.7 50.0





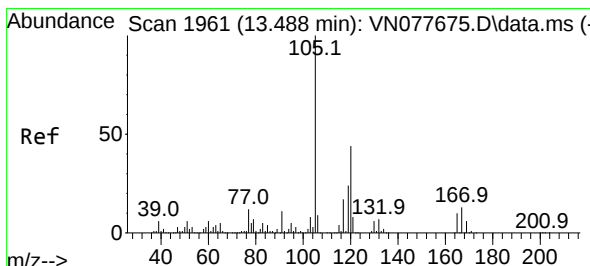
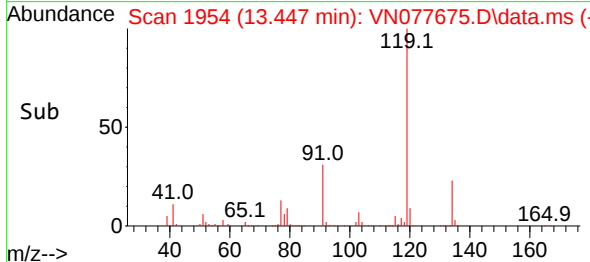
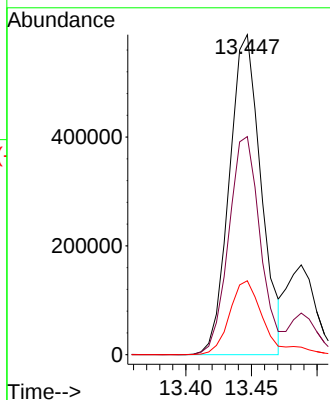
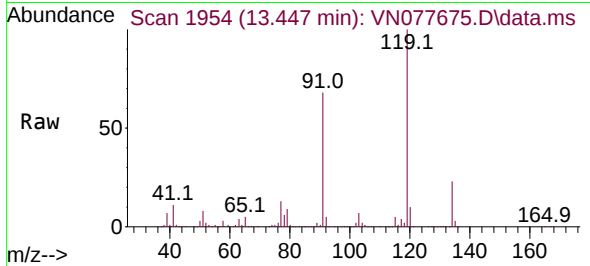
#83
tert-Butylbenzene
Concen: 50.819 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 99363
Ion Ratio Lower Upper
119 100
91 68.9 33.9 101.7
134 25.1 13.2 39.6

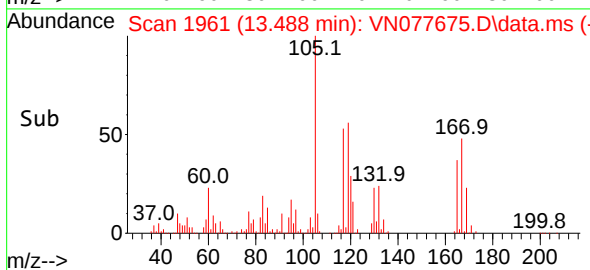
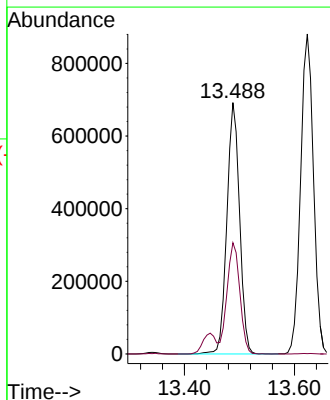
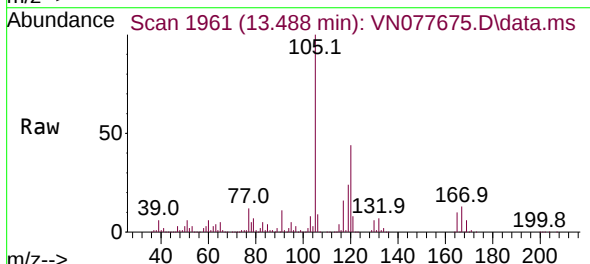
Manual Integrations
APPROVED

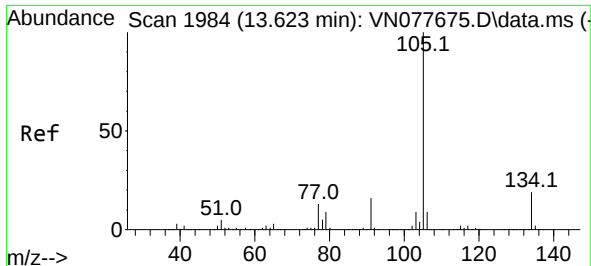
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#84
1,2,4-Trimethylbenzene
Concen: 50.323 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion:105 Resp: 1108475
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0





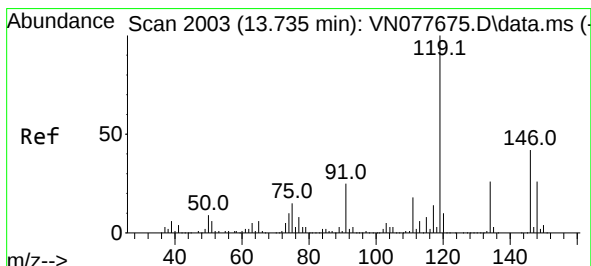
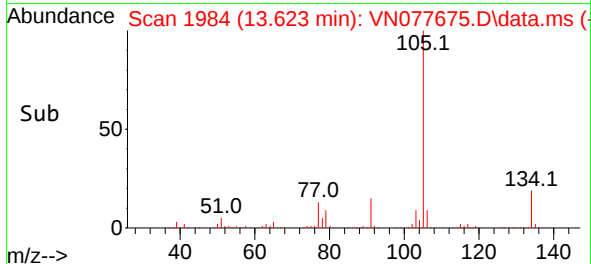
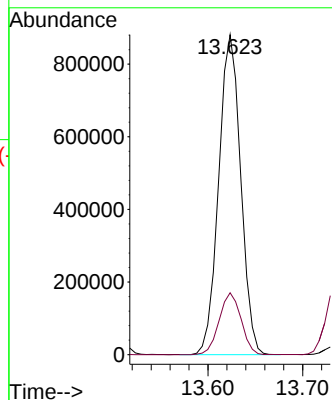
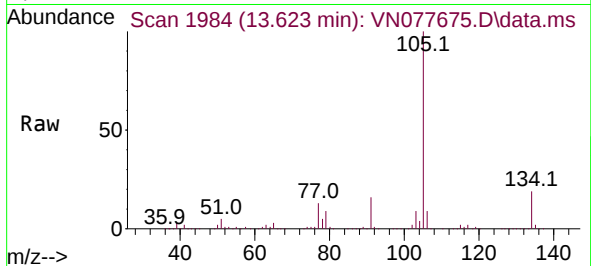
#85
 sec-Butylbenzene
 Concen: 51.268 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 1424620
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.3

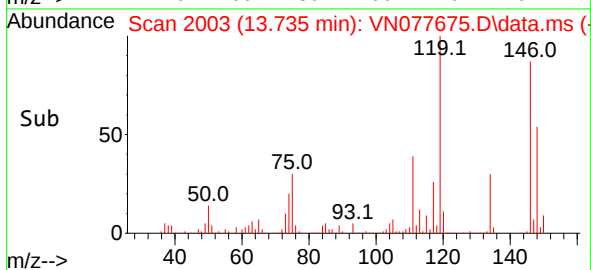
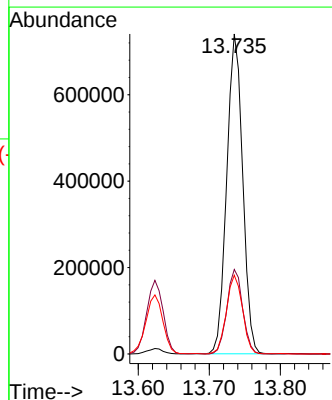
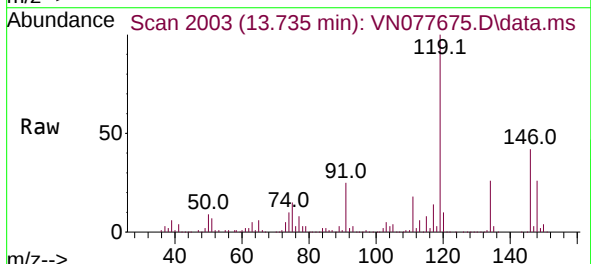
Manual Integrations
 APPROVED

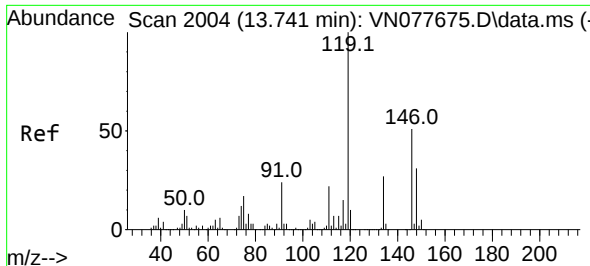
Reviewed By :John Carlone 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#86
 p-Isopropyltoluene
 Concen: 51.987 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077675.D
 Acq: 15 May 2023 17:37

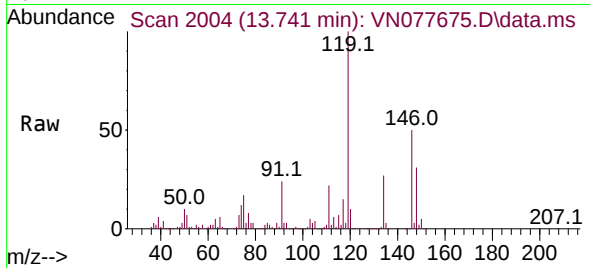
Tgt Ion:119 Resp: 1151671
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.6 37.8
 91 24.8 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 48.679 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

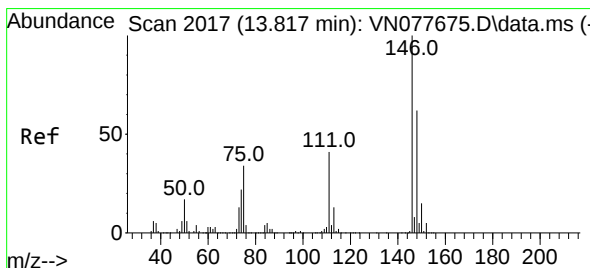
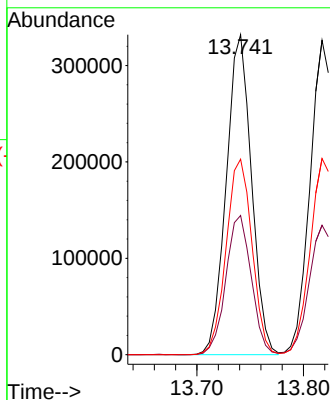
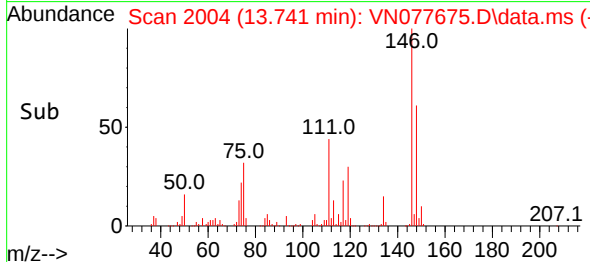
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 547474
Ion Ratio Lower Upper
146 100
111 43.8 22.1 66.3
148 62.7 32.0 96.0

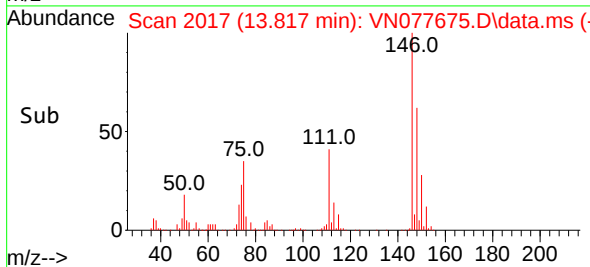
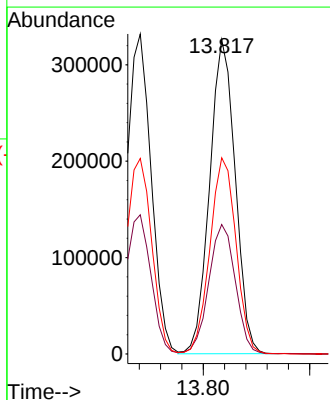
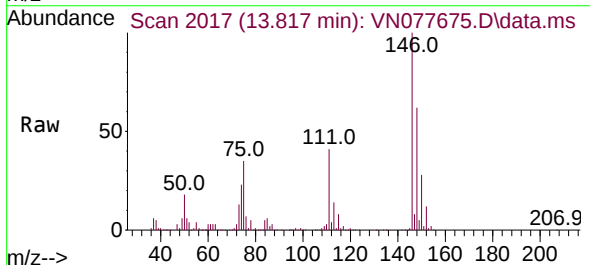
Manual Integrations
APPROVED

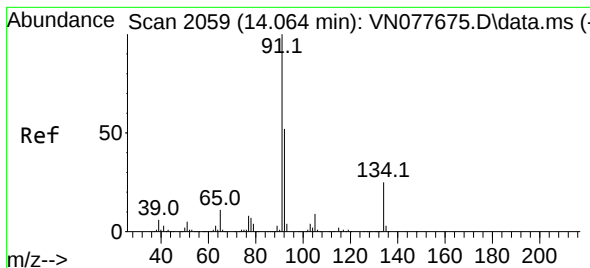
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#88
1,4-Dichlorobenzene
Concen: 48.704 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion:146 Resp: 543544
Ion Ratio Lower Upper
146 100
111 42.7 20.6 61.8
148 63.9 31.6 94.8





#89

n-Butylbenzene

Concen: 50.859 ug/l

RT: 14.064 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VN077675.D

Acq: 15 May 2023 17:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 103629

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.0

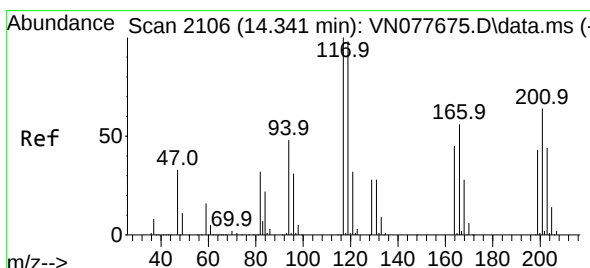
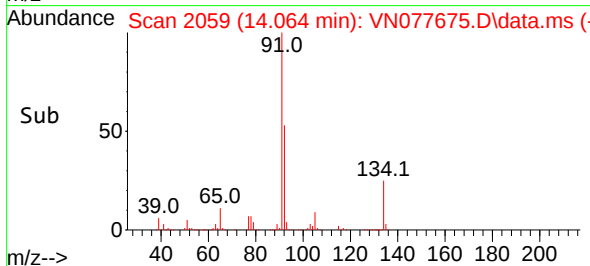
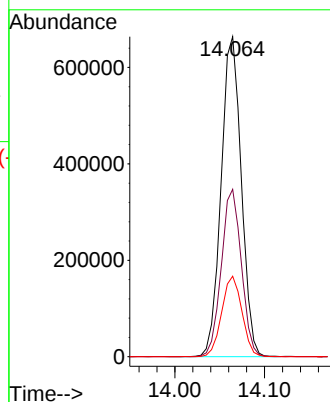
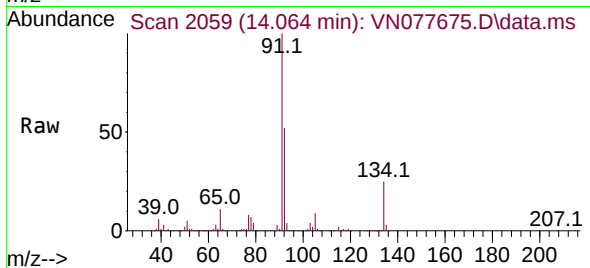
134 25.2 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#90

Hexachloroethane

Concen: 53.909 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. -0.000 min

Lab File: VN077675.D

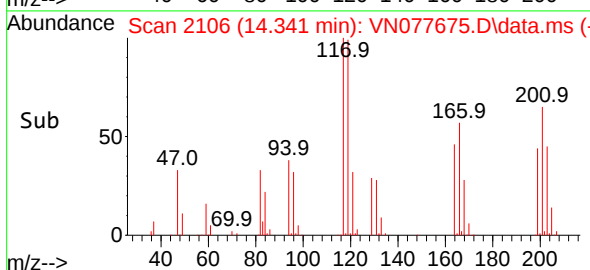
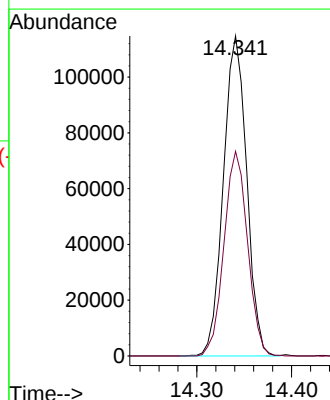
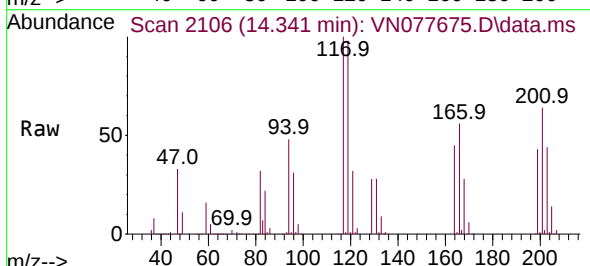
Acq: 15 May 2023 17:37

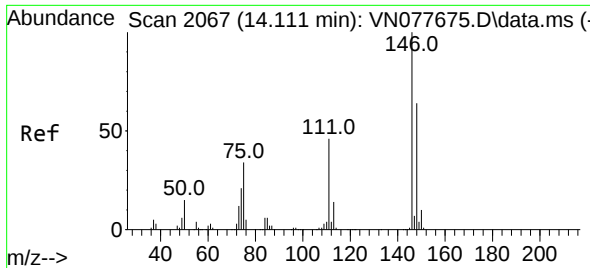
Tgt Ion:117 Resp: 196188

Ion Ratio Lower Upper

117 100

201 64.7 29.3 88.0





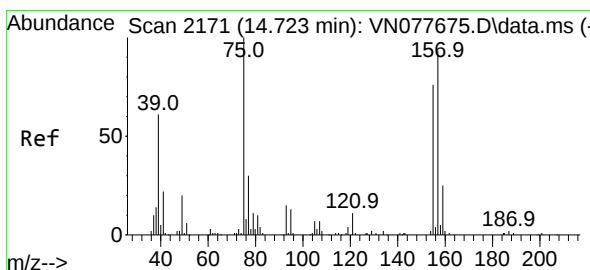
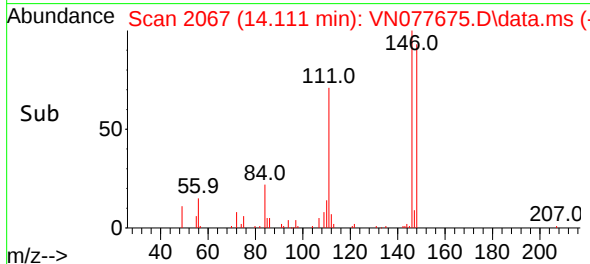
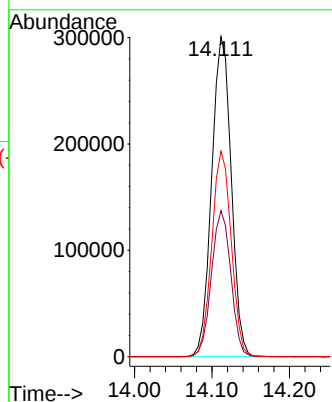
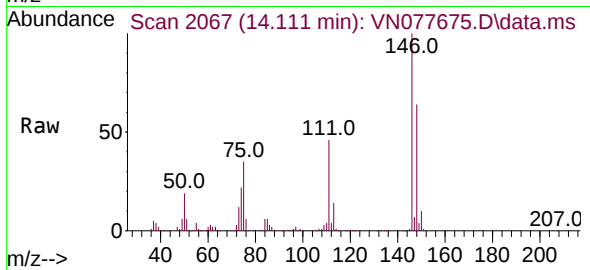
#91
1,2-Dichlorobenzene
Concen: 50.217 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 52761
Ion Ratio Lower Upper
146 100
111 45.2 22.0 66.0
148 63.8 31.8 95.3

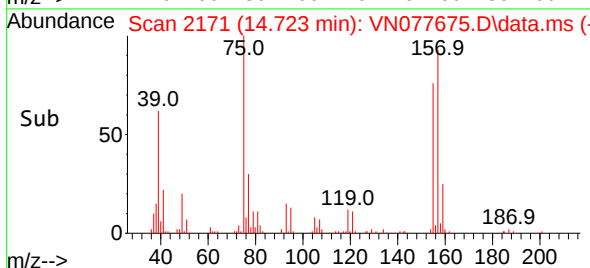
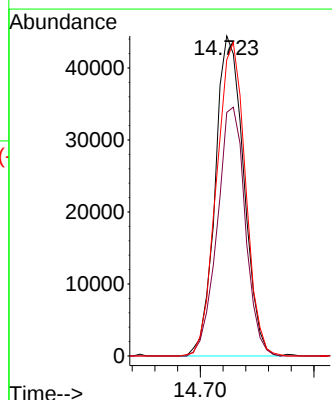
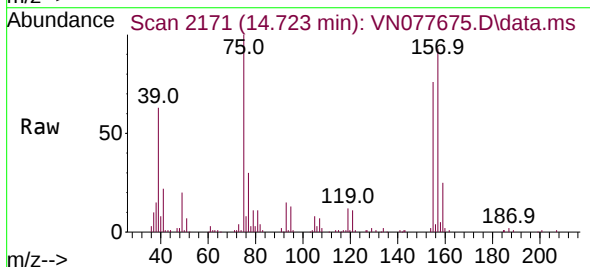
Manual Integrations
APPROVED

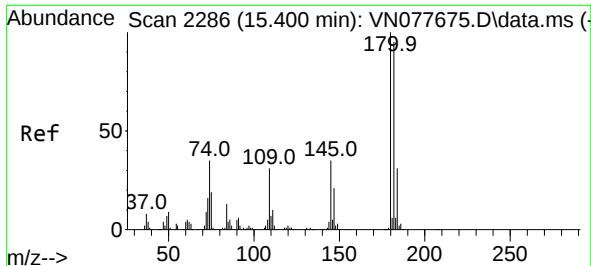
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.707 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

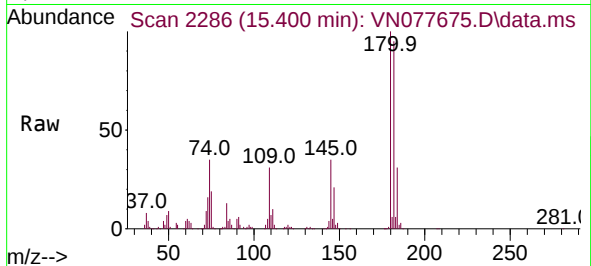
Tgt Ion: 75 Resp: 77307
Ion Ratio Lower Upper
75 100
155 76.5 39.1 117.2
157 99.5 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 48.952 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

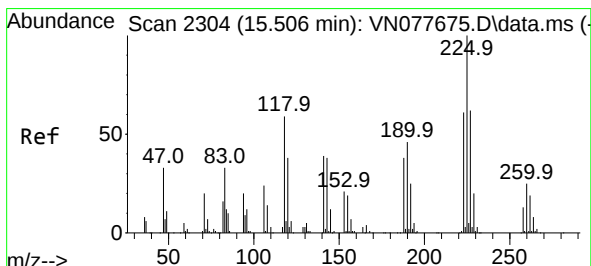
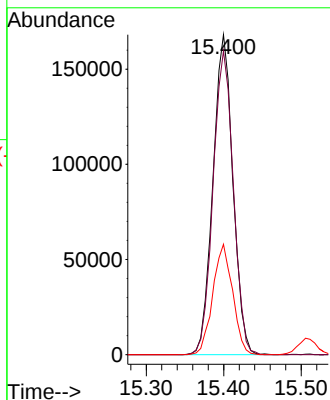
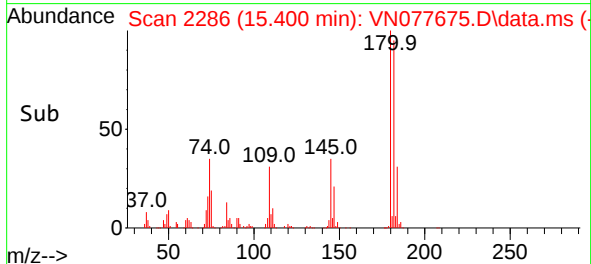
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



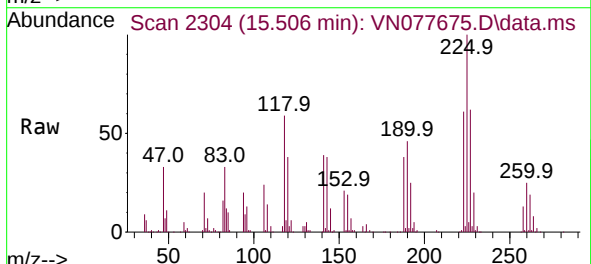
Tgt Ion:180 Resp: 30055
Ion Ratio Lower Upper
180 100
182 96.3 46.1 138.2
145 34.4 16.6 49.8

Manual Integrations
APPROVED

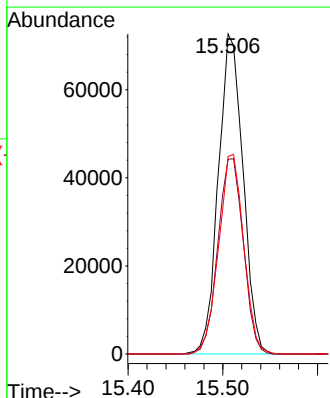
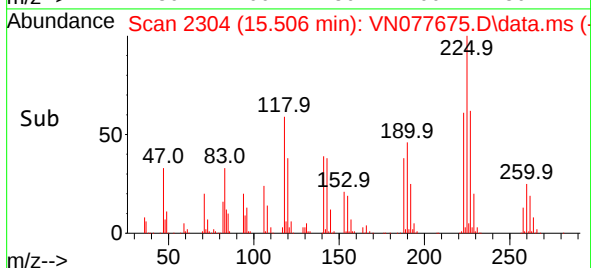
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

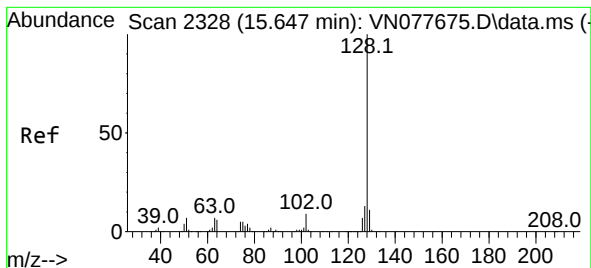


#94
Hexachlorobutadiene
Concen: 51.558 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37



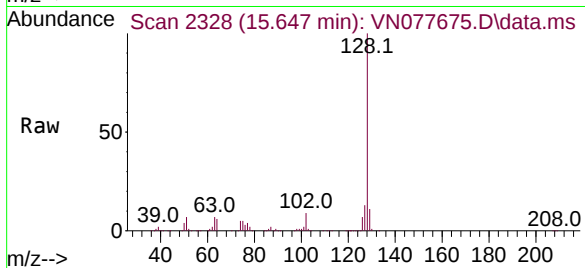
Tgt Ion:225 Resp: 131433
Ion Ratio Lower Upper
225 100
223 62.9 31.3 93.8
227 63.4 31.9 95.9





#95
Naphthalene
Concen: 48.185 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

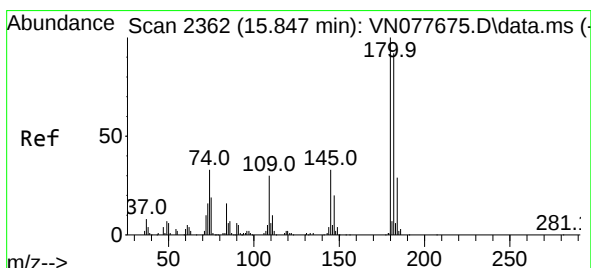
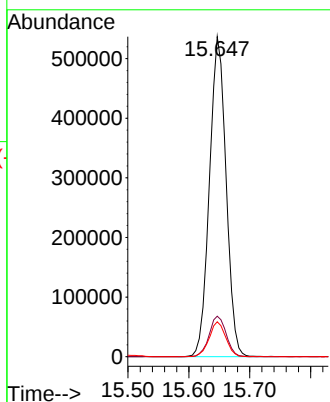
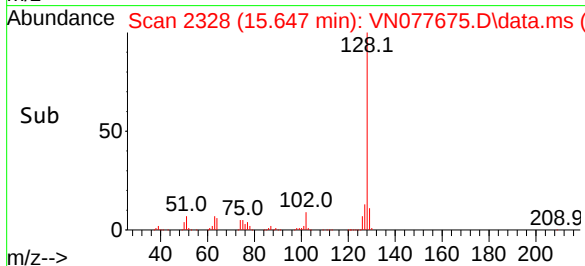
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 101830
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#96
1,2,3-Trichlorobenzene
Concen: 50.054 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN077675.D
Acq: 15 May 2023 17:37

Tgt Ion:180 Resp: 300898
Ion Ratio Lower Upper
180 100
182 93.0 46.2 138.6
145 34.6 17.5 52.6

