

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
 Data File : VN077674.D
 Acq On : 15 May 2023 17:13
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: May 16 02:48:29 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	441594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	798372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	721671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	318569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	622878	94.270	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 188.540%#			
35) Dibromofluoromethane	8.171	113	511094	98.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.340%#			
50) Toluene-d8	10.571	98	2000807	99.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.700%#			
62) 4-Bromofluorobenzene	12.853	95	706137	99.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 199.560%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	497303	98.953	ug/l	100
3) Chloromethane	2.365	50	517759	98.921	ug/l	97
4) Vinyl Chloride	2.518	62	620854	97.985	ug/l	99
5) Bromomethane	2.942	94	403482	86.020	ug/l	95
6) Chloroethane	3.118	64	484402	105.761	ug/l	100
7) Trichlorofluoromethane	3.501	101	852518	96.544	ug/l	100
8) Diethyl Ether	3.965	74	311907	96.755	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	475000	97.202	ug/l	100
10) Methyl Iodide	4.595	142	600506	103.039	ug/l	98
11) Tert butyl alcohol	5.524	59	406727	446.031	ug/l	98
12) 1,1-Dichloroethene	4.348	96	447847	96.423	ug/l	91
13) Acrolein	4.189	56	260942	487.241	ug/l	94
14) Allyl chloride	5.030	41	640507	93.635	ug/l	95
15) Acrylonitrile	5.724	53	1134128	465.531	ug/l	100
16) Acetone	4.430	43	916571	438.056	ug/l	98
17) Carbon Disulfide	4.718	76	1173415	93.764	ug/l	100
18) Methyl Acetate	5.030	43	787543	90.307	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	1635043	97.257	ug/l	96
20) Methylene Chloride	5.283	84	528358	99.613	ug/l #	86
21) trans-1,2-Dichloroethene	5.789	96	502531	96.321	ug/l #	84
22) Diisopropyl ether	6.677	45	1549461	96.884	ug/l	93
23) Vinyl Acetate	6.612	43	4768874	481.273	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	961700	98.153	ug/l	98
25) 2-Butanone	7.489	43	1482509	455.901	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	877000	105.357	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	610448	97.583	ug/l	90
28) Bromochloromethane	7.818	49	410423	96.857	ug/l	87
29) Tetrahydrofuran	7.841	42	953438	447.778	ug/l #	85
30) Chloroform	7.971	83	1024539	95.057	ug/l	99
31) Cyclohexane	8.259	56	831961	92.643	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	920518	100.455	ug/l	97
36) 1,1-Dichloropropene	8.377	75	783930	102.949	ug/l	95
37) Ethyl Acetate	7.565	43	624412	92.000	ug/l	95
38) Carbon Tetrachloride	8.365	117	803468	104.492	ug/l	98
39) Methylcyclohexane	9.606	83	982440	105.385	ug/l	91
40) Benzene	8.612	78	2232504	99.351	ug/l	99

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	322538	89.234	ug/l	92
42) 1,2-Dichloroethane	8.677	62	789866	96.766	ug/l	97
43) Isopropyl Acetate	8.694	43	1065100	96.076	ug/l	96
44) Trichloroethene	9.359	130	566348	99.537	ug/l	100
45) 1,2-Dichloropropane	9.630	63	578684	100.963	ug/l	98
46) Dibromomethane	9.712	93	399284	97.353	ug/l	98
47) Bromodichloromethane	9.894	83	806849	102.755	ug/l	97
48) Methyl methacrylate	9.688	41	518474	98.643	ug/l	86
49) 1,4-Dioxane	9.694	88	177720	1790.028	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	3150573	478.110	ug/l	94
52) Toluene	10.635	92	1446734	103.418	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	902083	108.487	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	962494	105.037	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	547969	98.652	ug/l	95
56) Ethyl methacrylate	10.882	69	865429	103.046	ug/l	92
57) 1,3-Dichloropropane	11.171	76	951849	99.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	2012442	487.072	ug/l	91
59) 2-Hexanone	11.200	43	2351017	482.350	ug/l	92
60) Dibromochloromethane	11.365	129	617114	107.619	ug/l	99
61) 1,2-Dibromoethane	11.477	107	574579	103.690	ug/l	98
64) Tetrachloroethene	11.112	164	486360	96.370	ug/l	99
65) Chlorobenzene	11.900	112	1543227	98.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	554515	102.435	ug/l	97
67) Ethyl Benzene	11.971	91	2844466	101.456	ug/l	98
68) m/p-Xylenes	12.076	106	2171628	204.421	ug/l	98
69) o-Xylene	12.406	106	1058707	101.337	ug/l	96
70) Styrene	12.418	104	1751580	105.539	ug/l	98
71) Bromoform	12.582	173	386452	107.314	ug/l #	100
73) Isopropylbenzene	12.700	105	2798667	101.915	ug/l	100
74) N-amyl acetate	12.500	43	960814	94.659	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	767808	90.887	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	747805m	97.204	ug/l	
77) Bromobenzene	12.988	156	590564	94.238	ug/l	96
78) n-propylbenzene	13.041	91	3316035	102.427	ug/l	99
79) 2-Chlorotoluene	13.129	91	1930880	99.950	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	2341771	101.464	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	294231	117.887	ug/l	92
82) 4-Chlorotoluene	13.229	91	1874936	97.546	ug/l	99
83) tert-Butylbenzene	13.447	119	1996650	99.097	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	2286935	100.753	ug/l	100
85) sec-Butylbenzene	13.623	105	2962068	103.444	ug/l	99
86) p-Isopropyltoluene	13.735	119	2432551	106.559	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	1124512	97.030	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	1116499	97.083	ug/l	99
89) n-Butylbenzene	14.065	91	2233779	106.386	ug/l	98
90) Hexachloroethane	14.341	117	422081	112.549	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	1068981	98.735	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	153554	93.885	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	631217	99.767	ug/l	98
94) Hexachlorobutadiene	15.506	225	275639	104.928	ug/l	99
95) Naphthalene	15.647	128	1974356	90.661	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	596178	96.240	ug/l	97

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MSVOA_N
ClientSampleId :
VSTDICC100

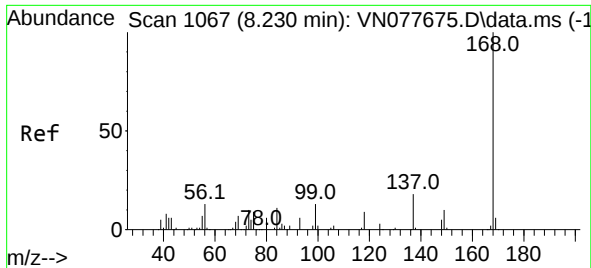
Manual Integrations
APPROVED

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

Quant Time: May 16 02:48:29 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)
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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: VN077674.D
Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

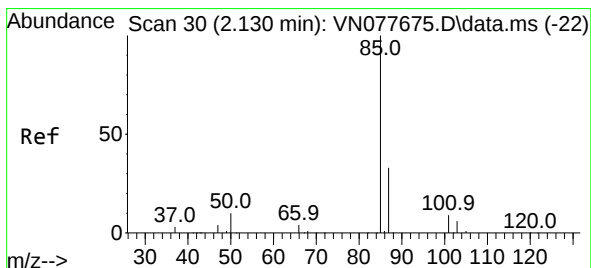
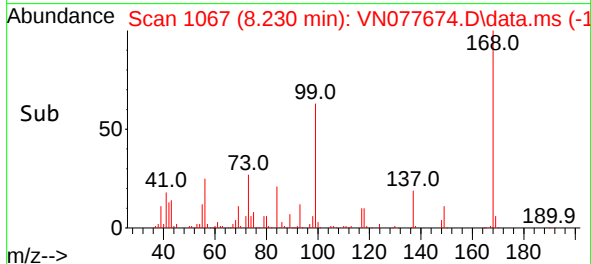
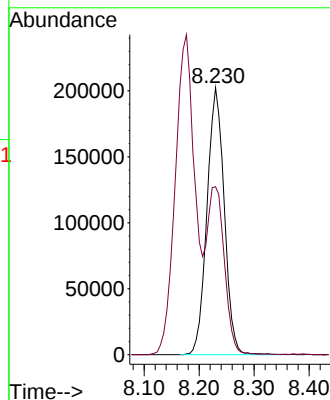
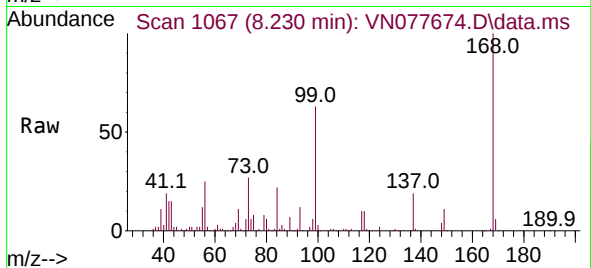
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Tgt Ion:168 Resp: 441594
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6

Manual Integrations

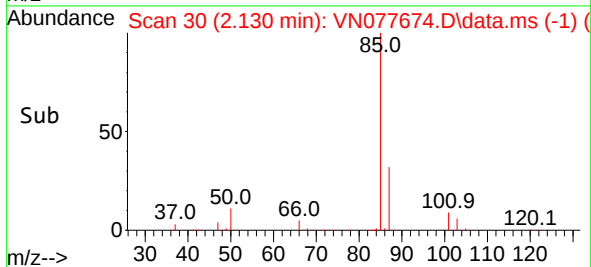
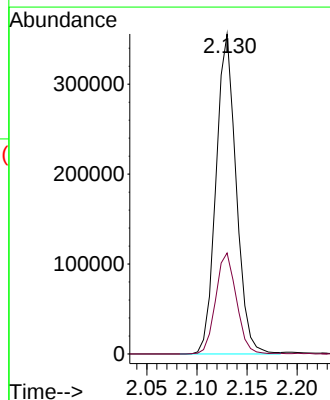
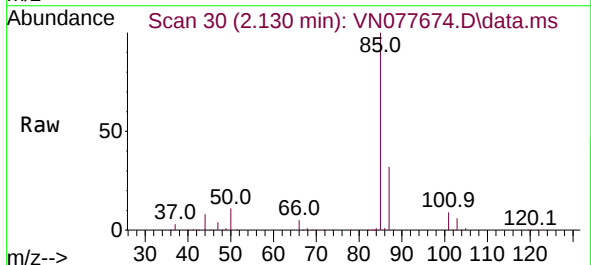
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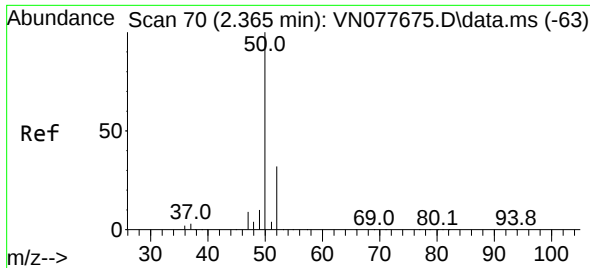
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 98.953 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

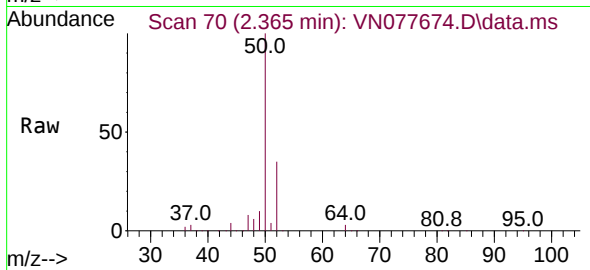
Tgt Ion: 85 Resp: 497303
Ion Ratio Lower Upper
85 100
87 31.6 15.8 47.4





#3
Chloromethane
Concen: 98.921 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

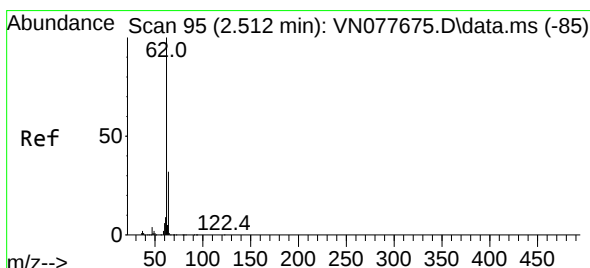
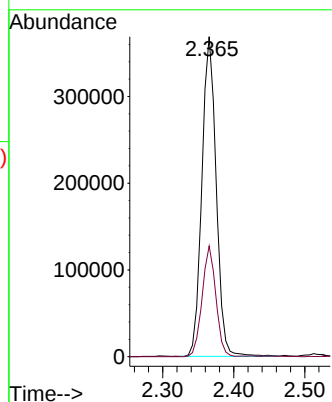
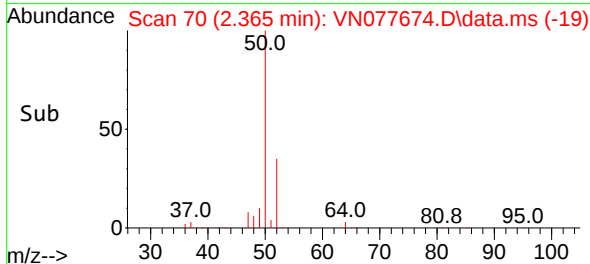
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 51775
Ion Ratio Lower Upper
50 100
52 34.7 26.5 39.7

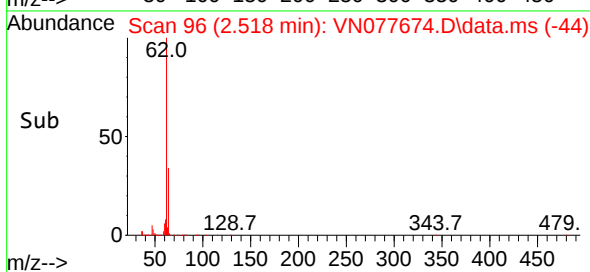
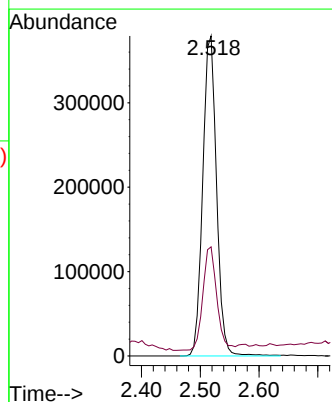
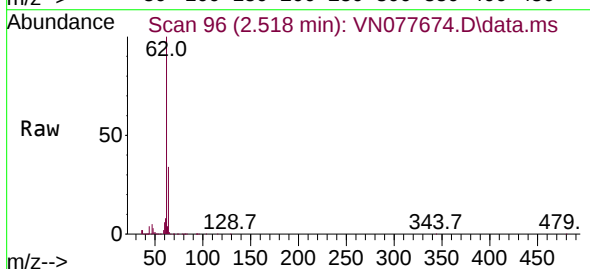
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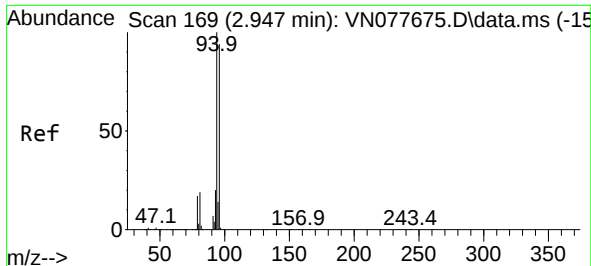
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#4
Vinyl Chloride
Concen: 97.985 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 62 Resp: 620854
Ion Ratio Lower Upper
62 100
64 32.3 26.2 39.2





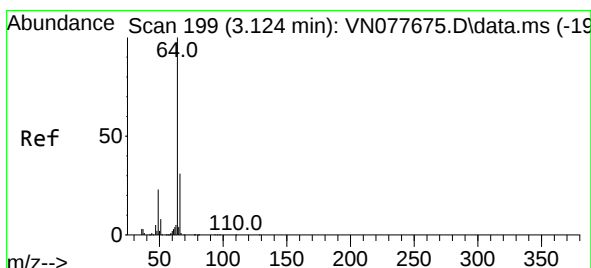
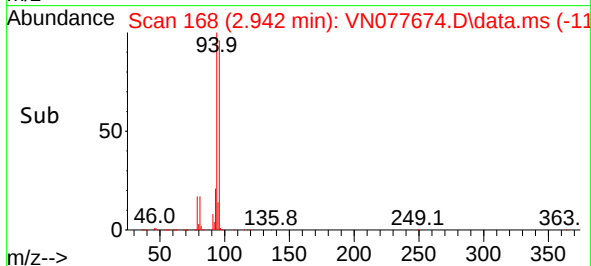
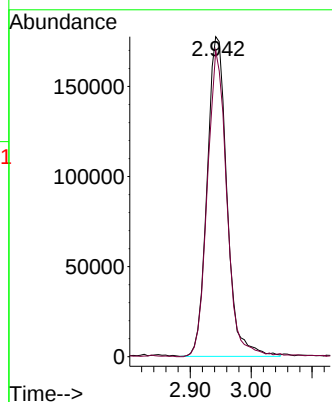
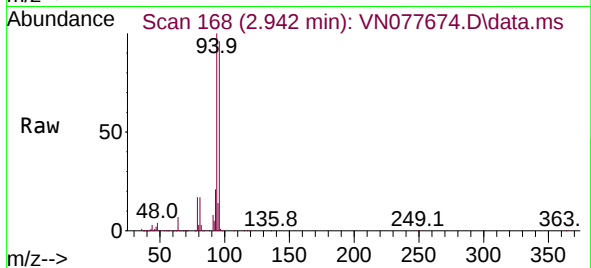
#5
Bromomethane
Concen: 86.020 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 40348
Ion Ratio Lower Upper
94 100
96 95.7 73.1 109.7

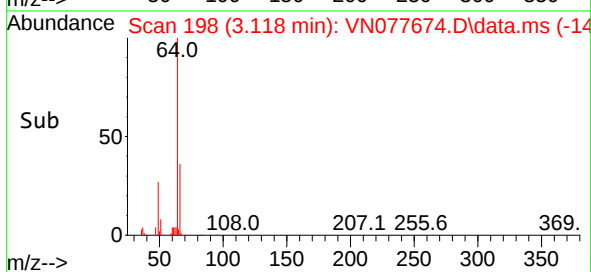
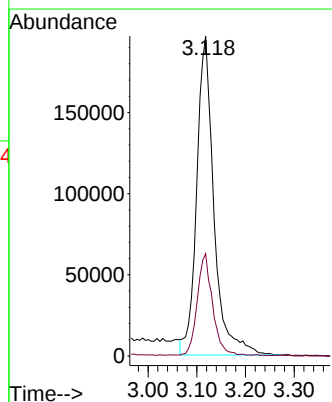
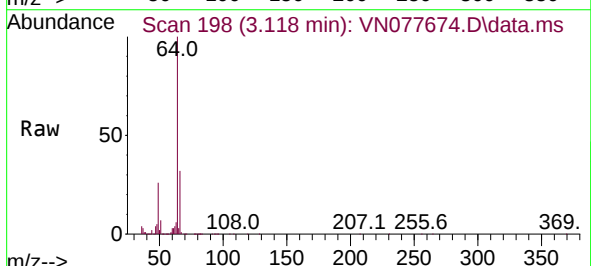
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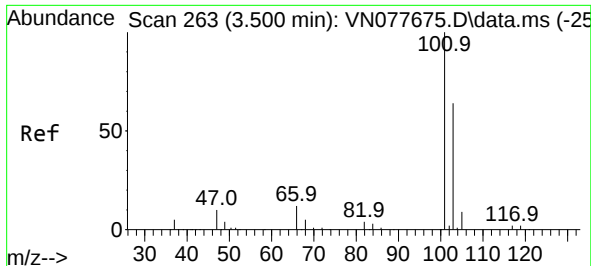
Reviewed By :John Carlone 05/16/2023
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#6
Chloroethane
Concen: 105.761 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 64 Resp: 484402
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.2





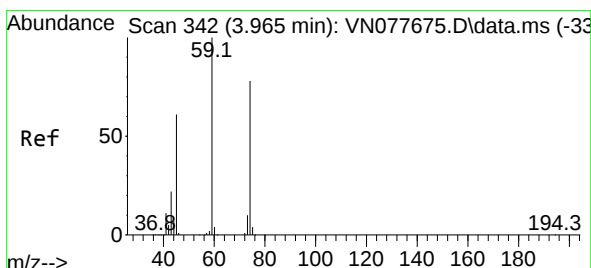
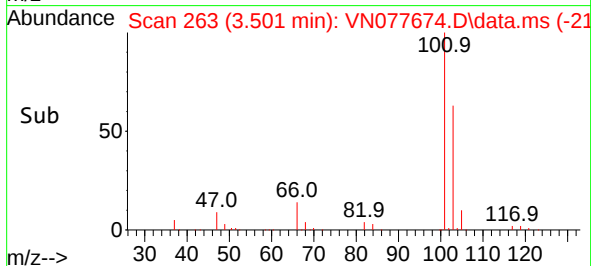
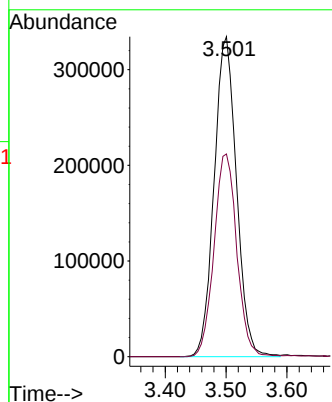
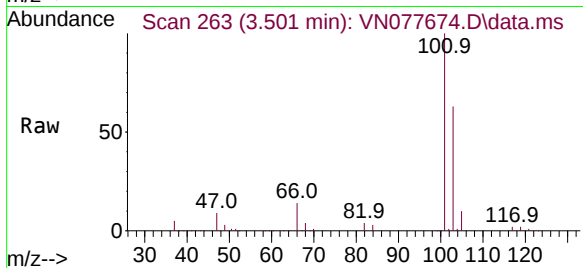
#7
Trichlorofluoromethane
Concen: 96.544 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 852518
Ion Ratio Lower Upper
101 100
103 63.4 50.7 76.1

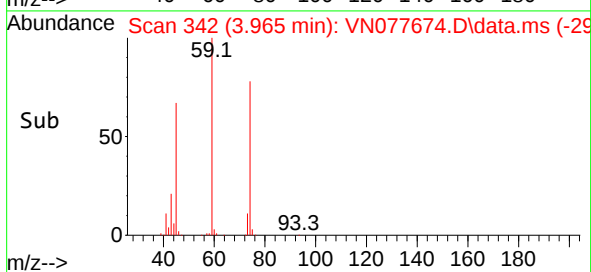
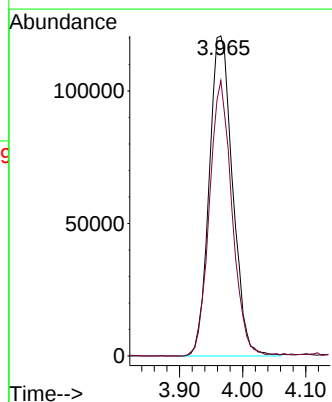
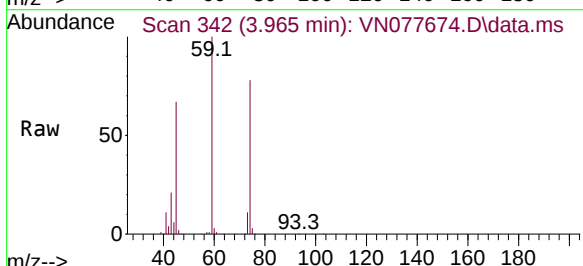
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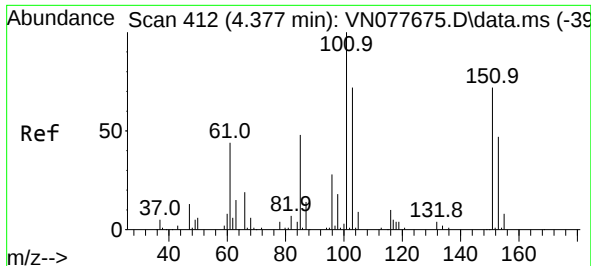
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#8
Diethyl Ether
Concen: 96.755 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 74 Resp: 311907
Ion Ratio Lower Upper
74 100
45 82.8 34.4 103.3





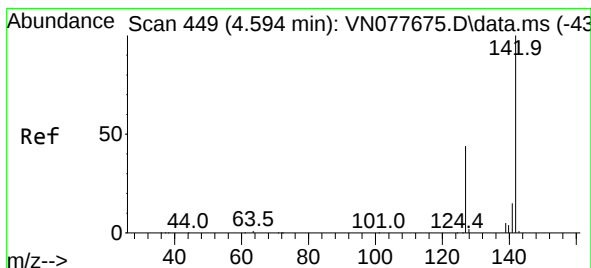
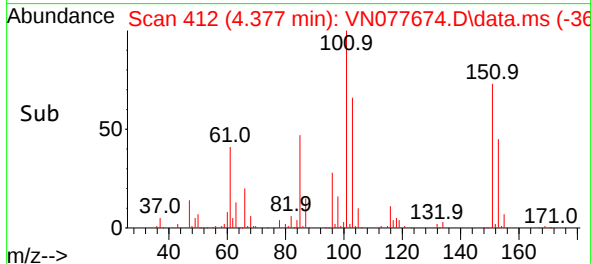
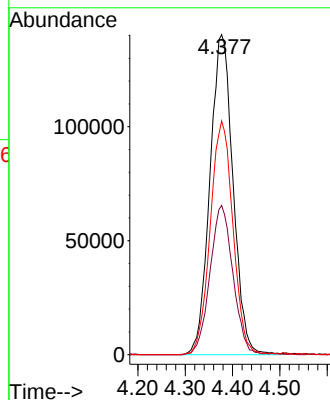
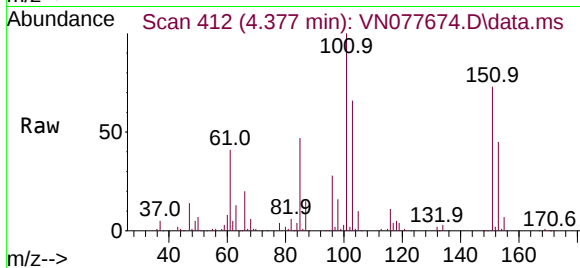
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.202 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 475000
Ion Ratio Lower Upper
101 100
85 46.3 36.6 55.0
151 71.9 57.6 86.4

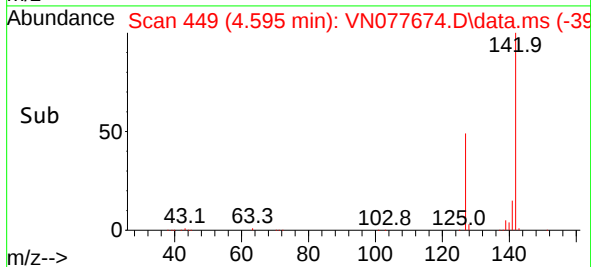
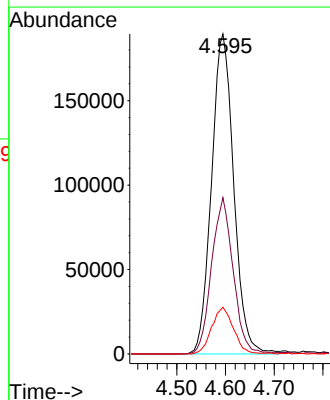
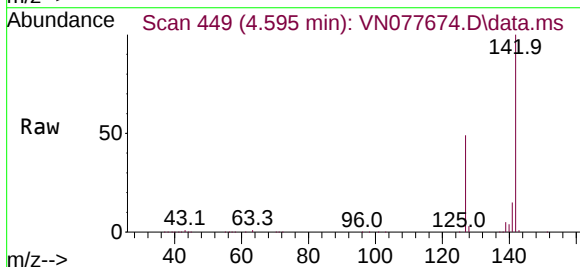
Manual Integrations
APPROVED

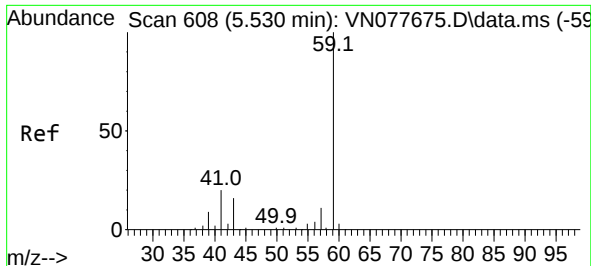
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#10
Methyl Iodide
Concen: 103.039 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

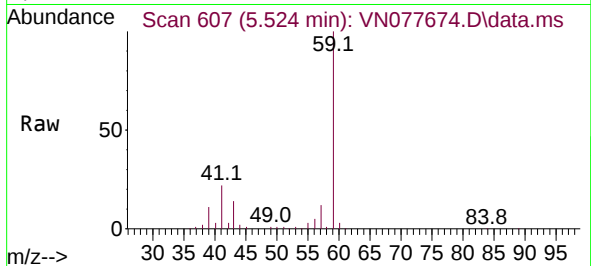
Tgt Ion:142 Resp: 600506
Ion Ratio Lower Upper
142 100
127 48.9 37.6 56.4
141 14.6 11.4 17.0





#11
Tert butyl alcohol
Concen: 446.031 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

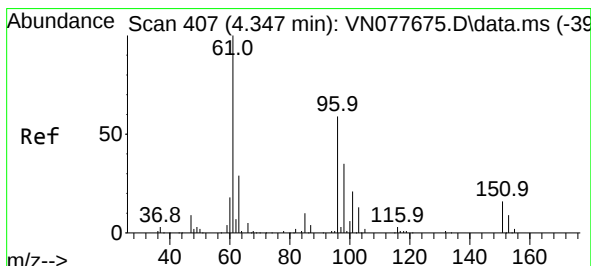
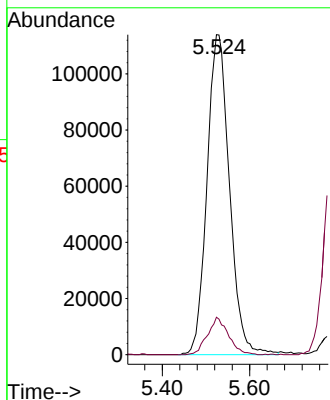
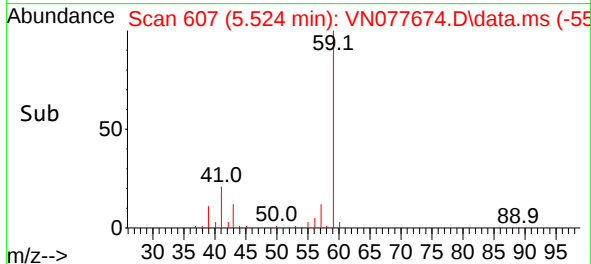
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 59 Resp: 40672
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

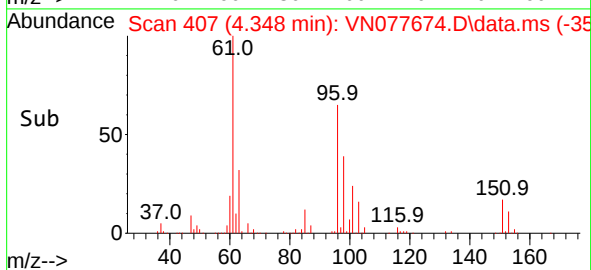
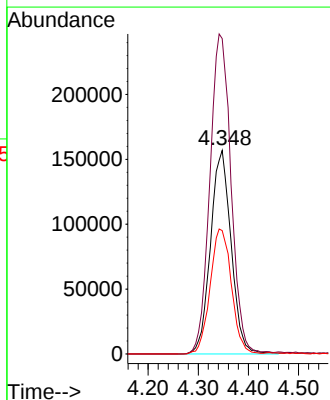
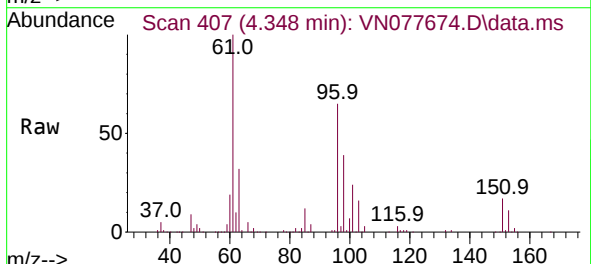
Manual Integrations
APPROVED

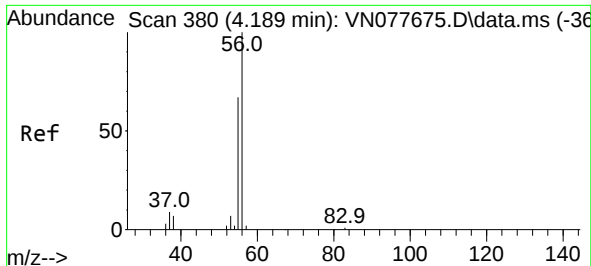
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#12
1,1-Dichloroethene
Concen: 96.423 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

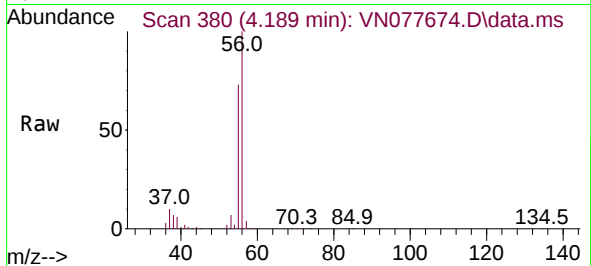
Tgt Ion: 96 Resp: 447847
Ion Ratio Lower Upper
96 100
61 154.9 112.7 169.1
98 60.6 51.2 76.8





#13
Acrolein
Concen: 487.241 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

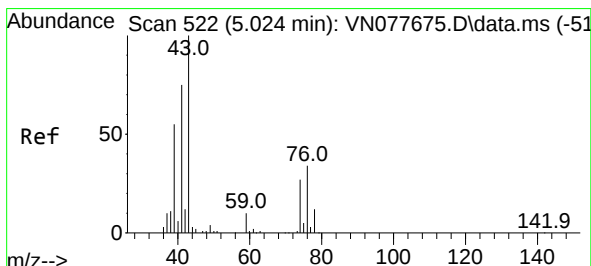
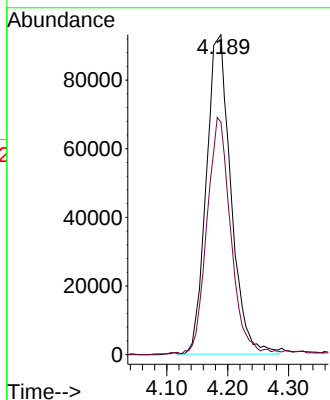
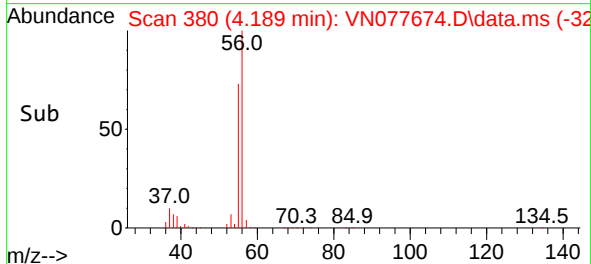
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



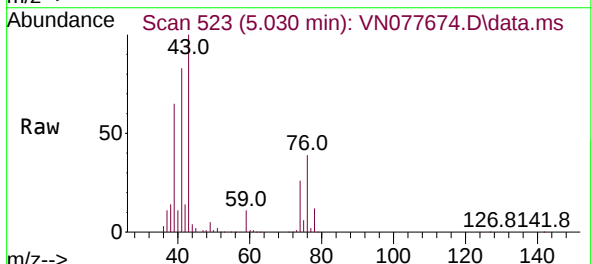
Tgt Ion: 56 Resp: 260942
Ion Ratio Lower Upper
56 100
55 72.8 54.5 81.7

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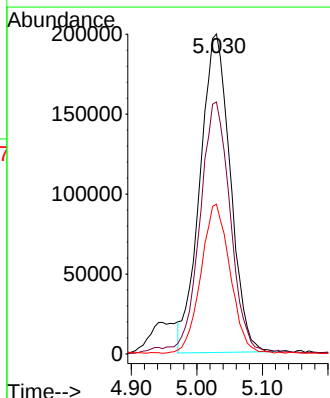
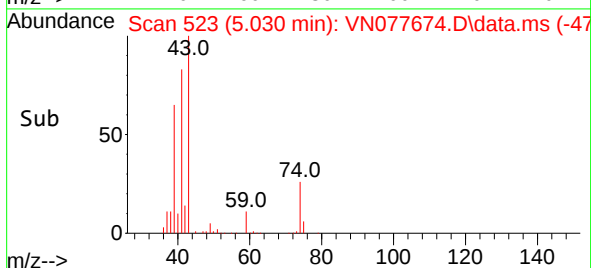
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

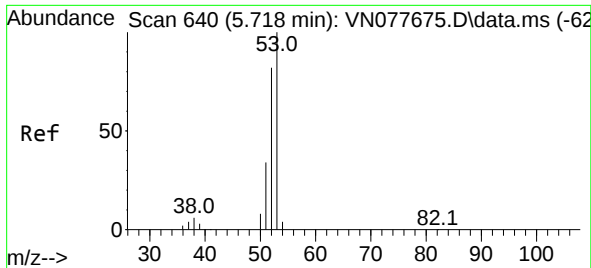


#14
Allyl chloride
Concen: 93.635 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



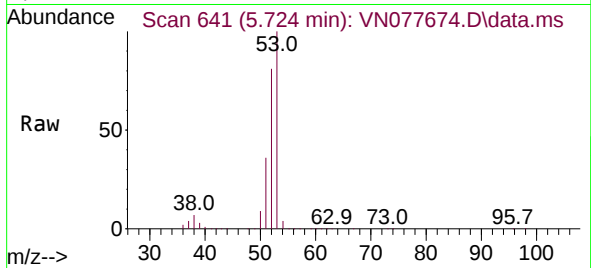
Tgt Ion: 41 Resp: 640507
Ion Ratio Lower Upper
41 100
39 77.8 58.8 88.2
76 45.2 39.1 58.7





#15
Acrylonitrile
Concen: 465.531 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

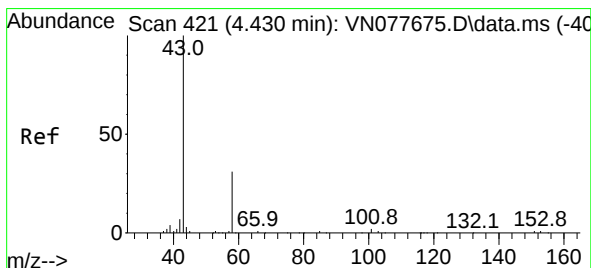
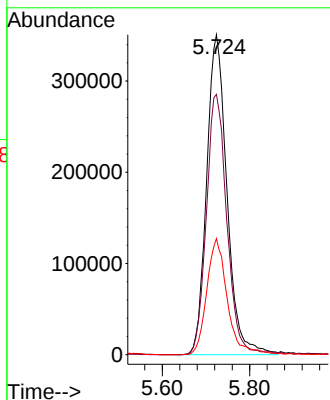
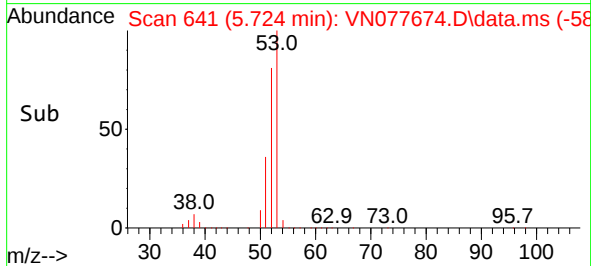
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



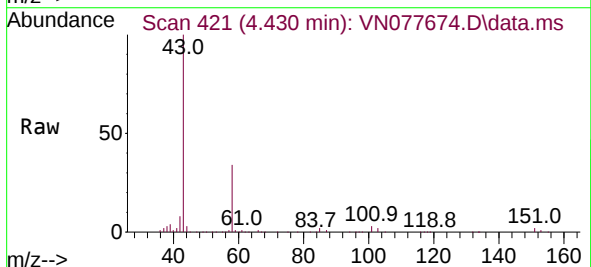
Tgt Ion: 53 Resp: 1134128
Ion Ratio Lower Upper
53 100
52 81.6 65.3 97.9
51 36.7 28.9 43.3

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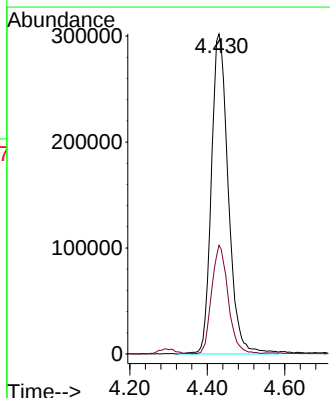
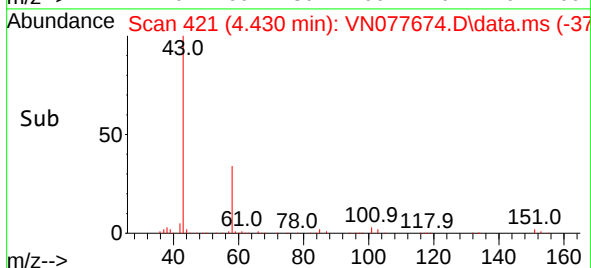
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

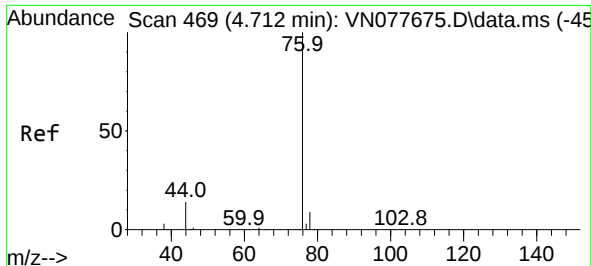


#16
Acetone
Concen: 438.056 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



Tgt Ion: 43 Resp: 916571
Ion Ratio Lower Upper
43 100
58 33.7 28.0 42.0





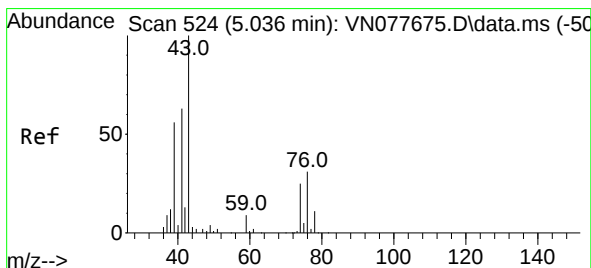
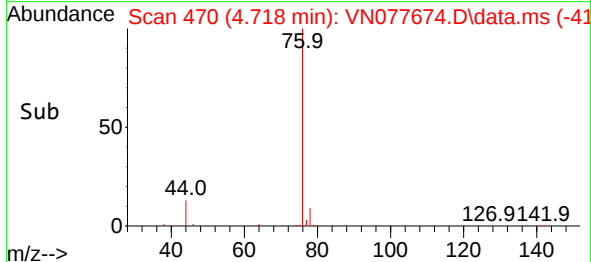
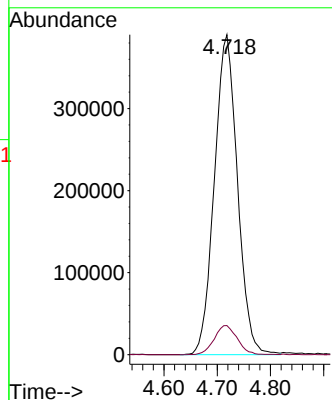
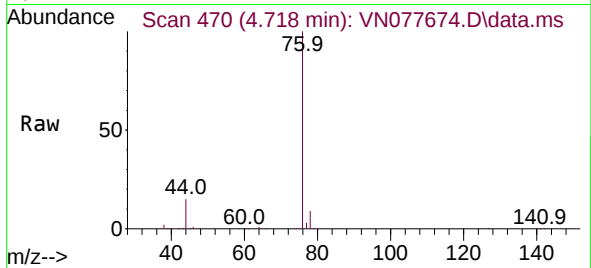
#17
Carbon Disulfide
Concen: 93.764 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 117341
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

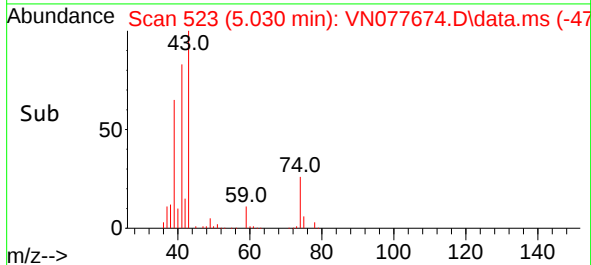
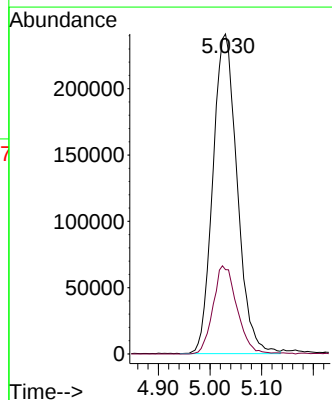
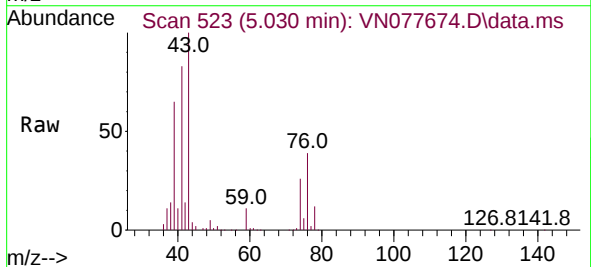
Manual Integrations
APPROVED

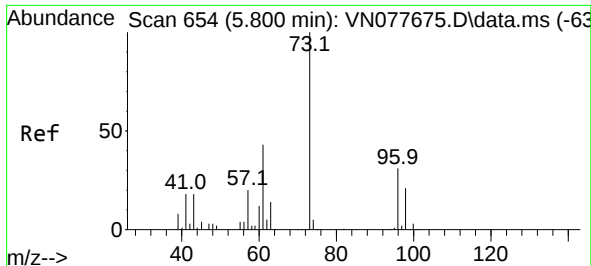
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#18
Methyl Acetate
Concen: 90.307 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 43 Resp: 787543
Ion Ratio Lower Upper
43 100
74 27.2 26.2 39.4





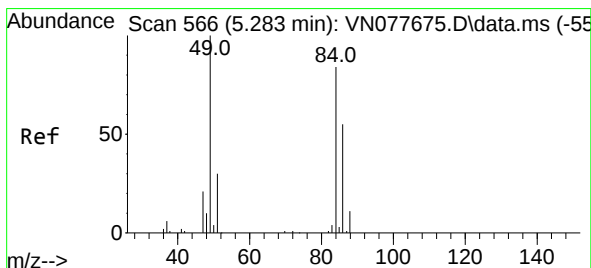
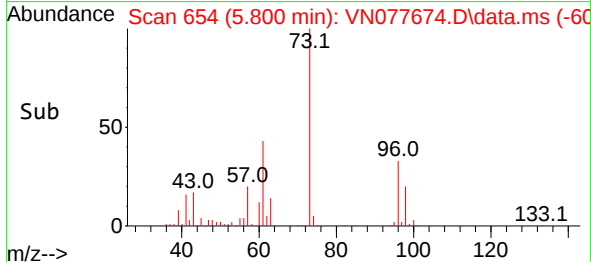
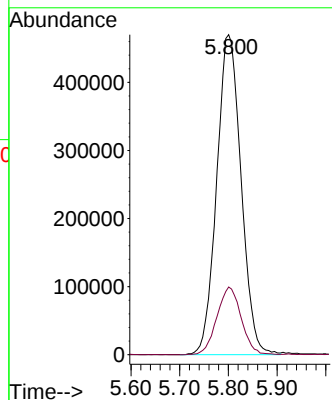
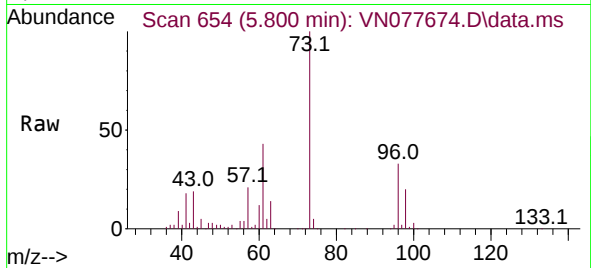
#19
Methyl tert-butyl Ether
Concen: 97.257 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 163504
Ion Ratio Lower Upper
73 100
57 21.2 15.6 23.4

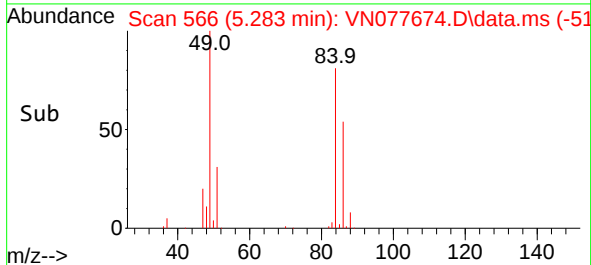
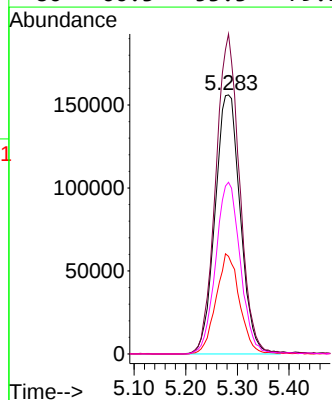
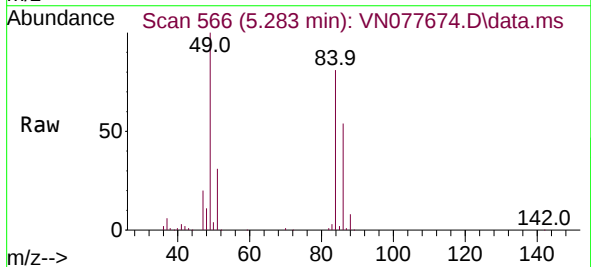
Manual Integrations
APPROVED

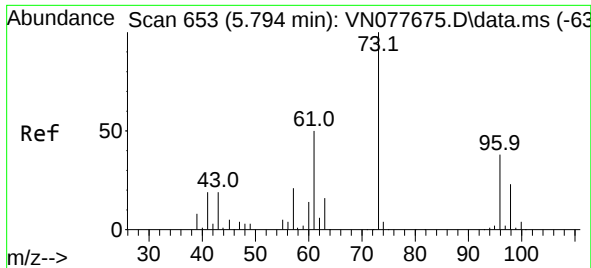
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#20
Methylene Chloride
Concen: 99.613 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

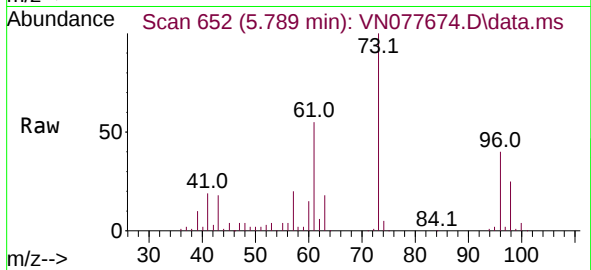
Tgt Ion: 84 Resp: 528358
Ion Ratio Lower Upper
84 100
49 123.5 79.7 119.5#
51 37.7 25.2 37.8
86 66.3 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 96.321 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

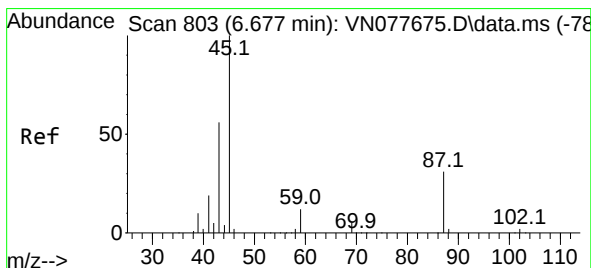
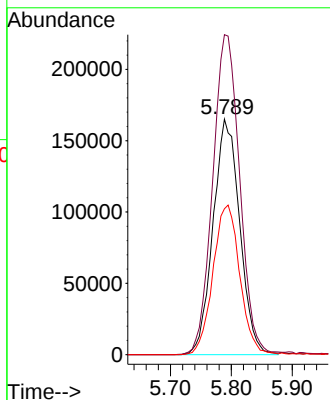
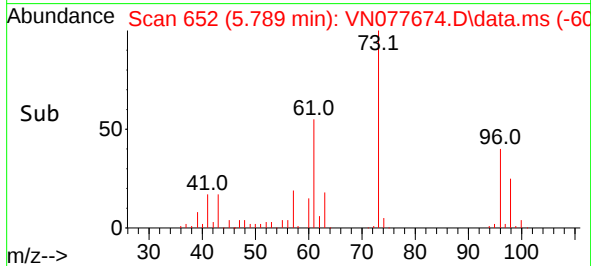
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 50253
Ion Ratio Lower Upper
96 100
61 135.8 90.1 135.1
98 62.0 46.4 69.6

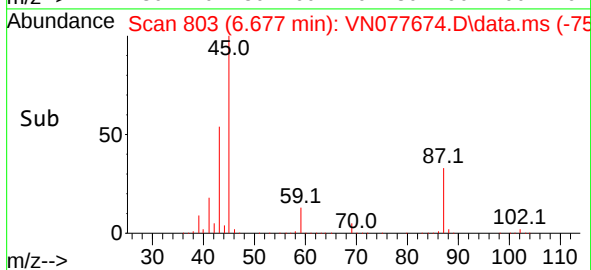
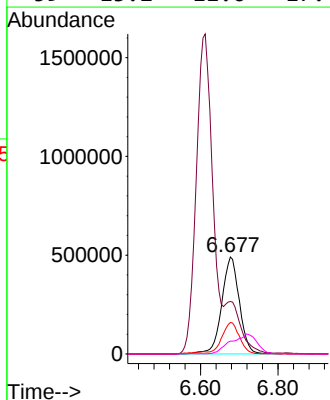
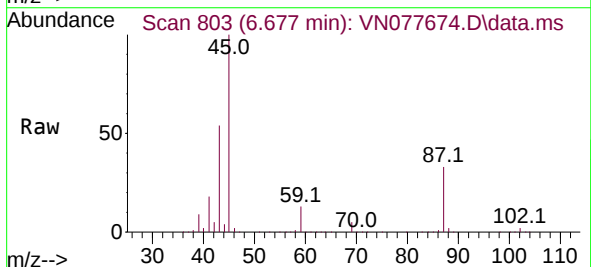
Manual Integrations
APPROVED

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



#22
Diisopropyl ether
Concen: 96.884 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

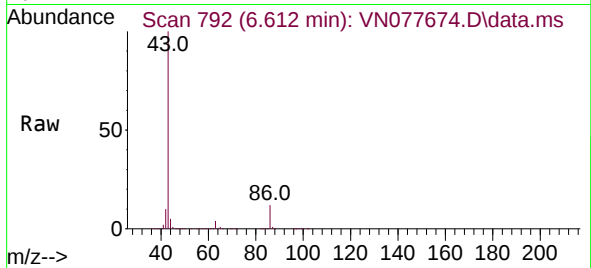
Tgt Ion: 45 Resp: 1549461
Ion Ratio Lower Upper
45 100
43 53.9 45.5 68.3
87 32.4 31.8 47.8
59 13.2 11.6 17.4





#23
 Vinyl Acetate
 Concen: 481.273 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077674.D
 Acq: 15 May 2023 17:13

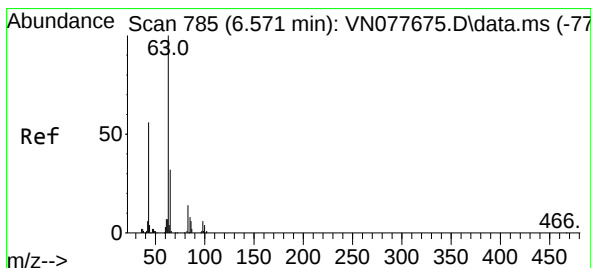
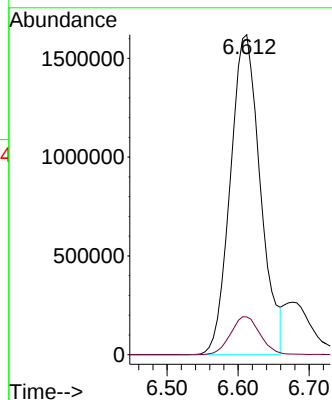
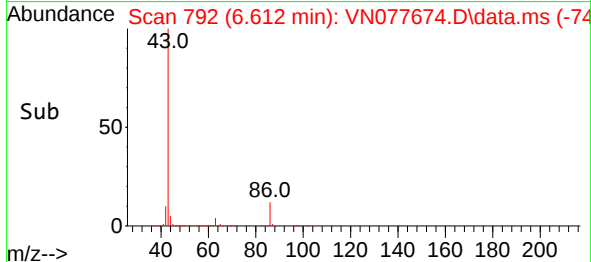
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion: 43 Resp: 4768874
 Ion Ratio Lower Upper
 43 100
 86 11.8 13.0 19.6

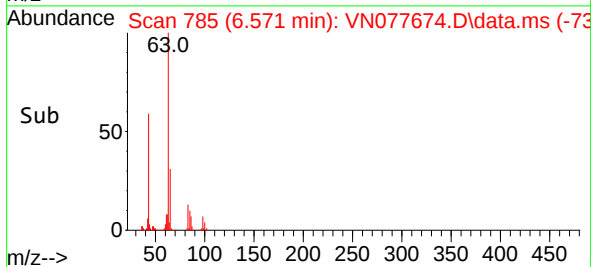
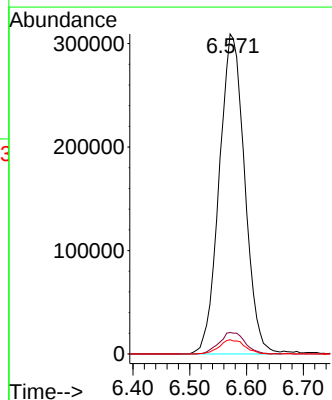
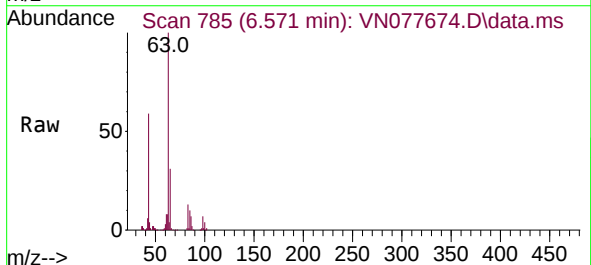
Manual Integrations
 APPROVED

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



#24
 1,1-Dichloroethane
 Concen: 98.153 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN077674.D
 Acq: 15 May 2023 17:13

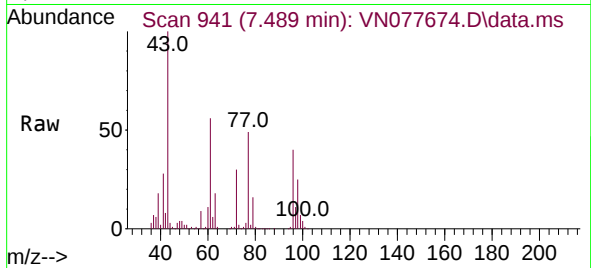
Tgt Ion: 63 Resp: 961700
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.9 11.7
 100 4.4 2.5 7.4





#25
2-Butanone
Concen: 455.901 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

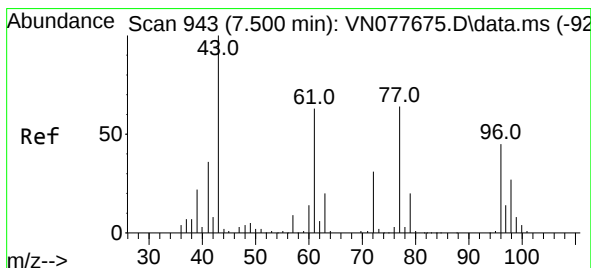
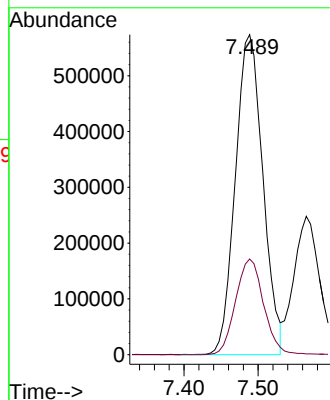
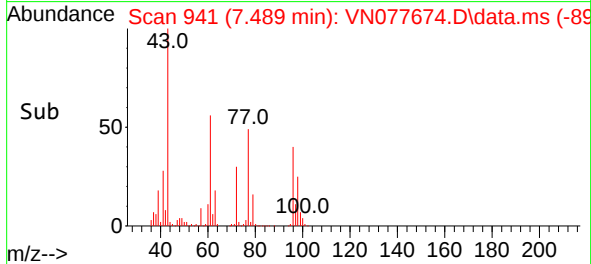
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 1482509
Ion Ratio Lower Upper
43 100
72 29.9 30.2 45.2

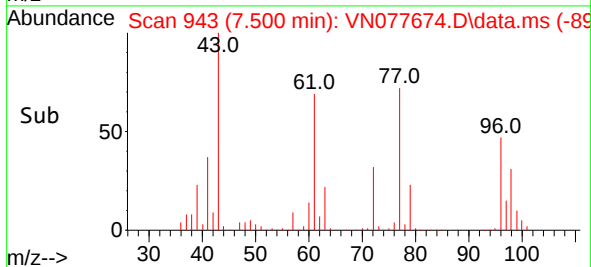
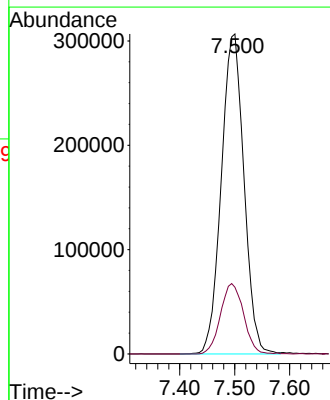
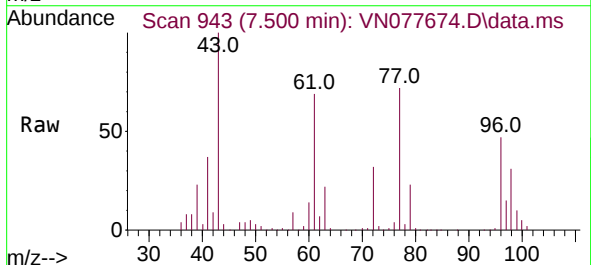
Manual Integrations
APPROVED

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



#26
2,2-Dichloropropane
Concen: 105.357 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 77 Resp: 877000
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 97.583 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 610448

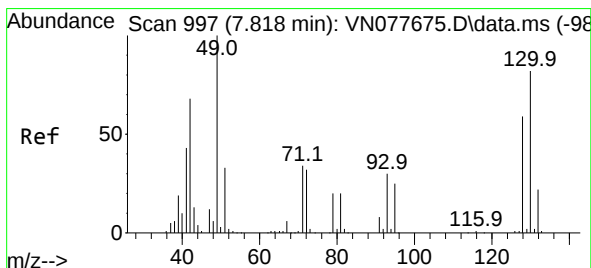
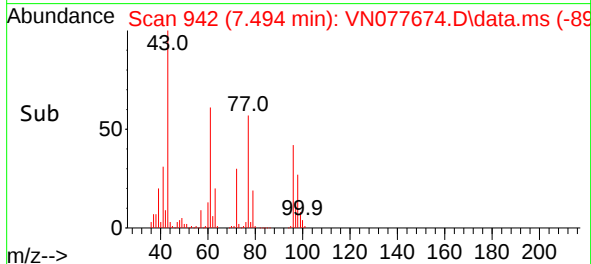
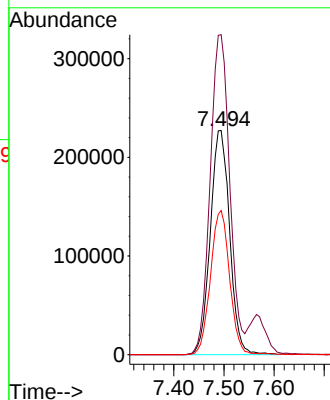
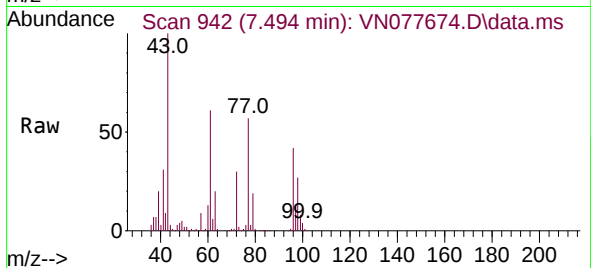
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	255.2
98	63.3	0.0	128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#28

Bromochloromethane

Concen: 96.857 ug/l

RT: 7.818 min Scan# 997

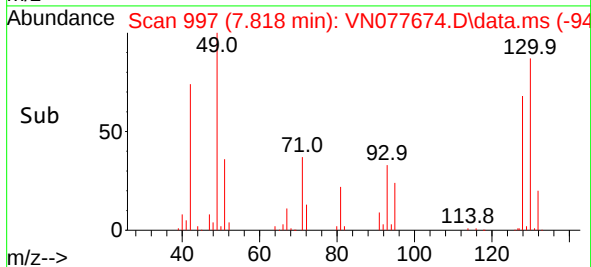
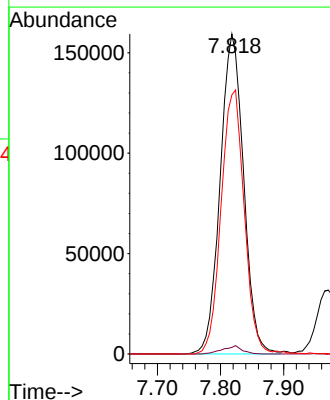
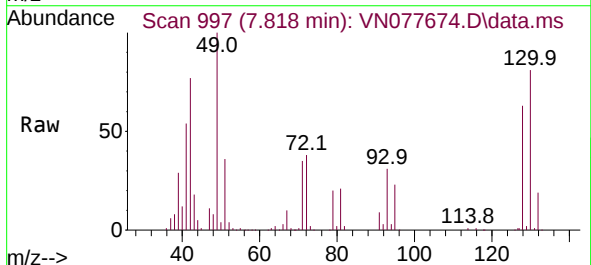
Delta R.T. -0.000 min

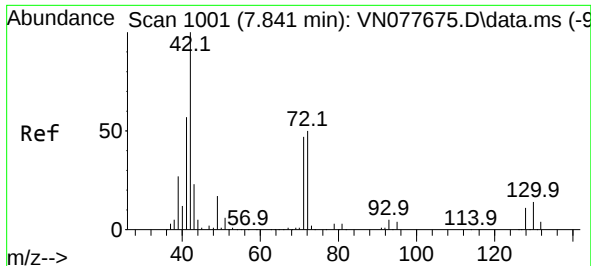
Lab File: VN077674.D

Acq: 15 May 2023 17:13

Tgt Ion: 49 Resp: 410423

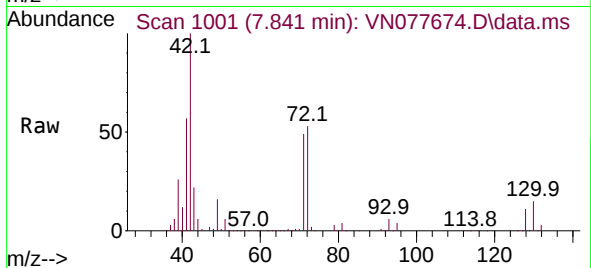
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	81.5	75.3	112.9





#29
Tetrahydrofuran
Concen: 447.778 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

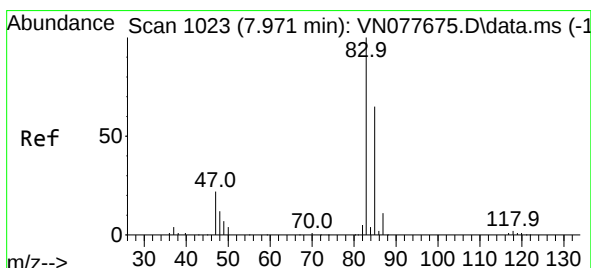
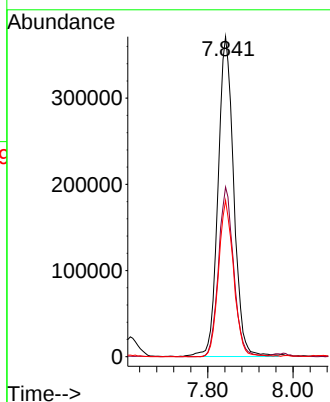
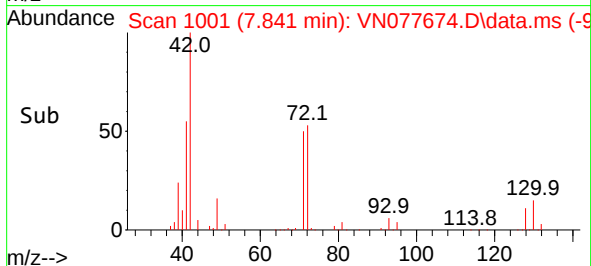
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 42 Resp: 953438
Ion Ratio Lower Upper
42 100
72 51.2 49.8 74.6
71 47.1 47.4 71.2

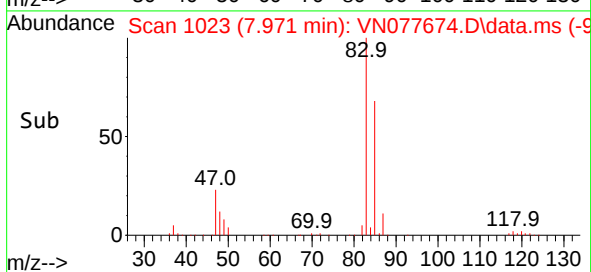
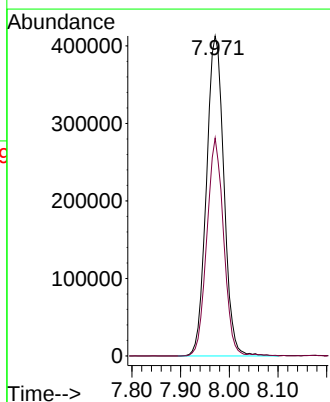
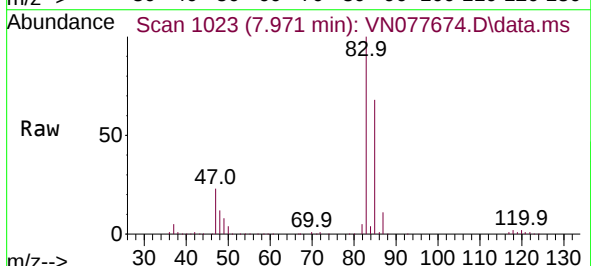
Manual Integrations
APPROVED

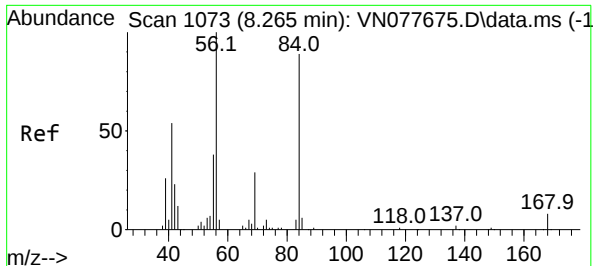
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#30
Chloroform
Concen: 95.057 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

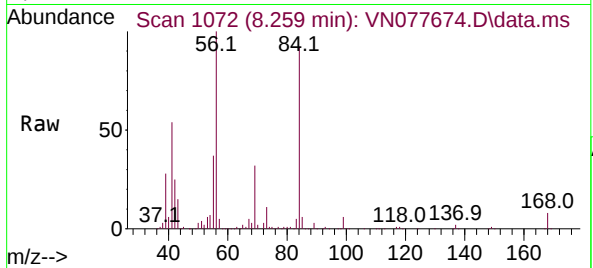
Tgt Ion: 83 Resp: 1024539
Ion Ratio Lower Upper
83 100
85 68.1 55.4 83.0





#31
Cyclohexane
Concen: 92.643 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

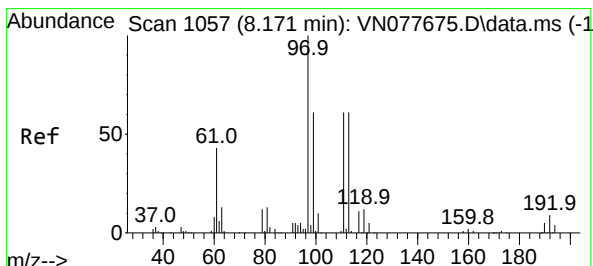
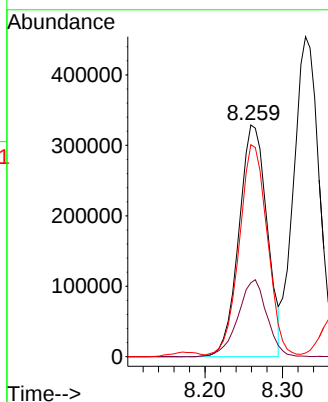
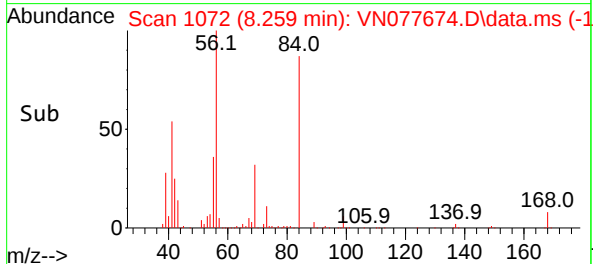
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



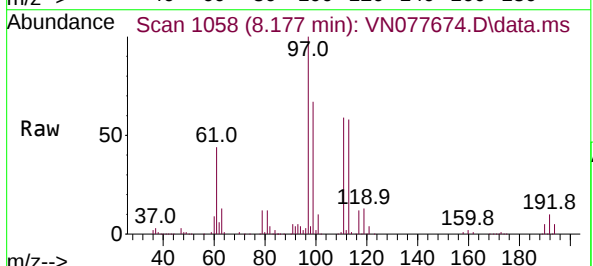
Tgt Ion: 56 Resp: 83196
Ion Ratio Lower Upper
56 100
69 31.9 26.8 40.2
84 89.9 81.8 122.6

Manual Integrations
APPROVED

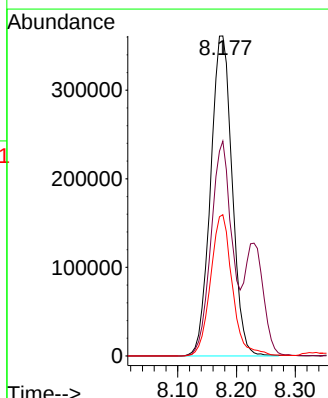
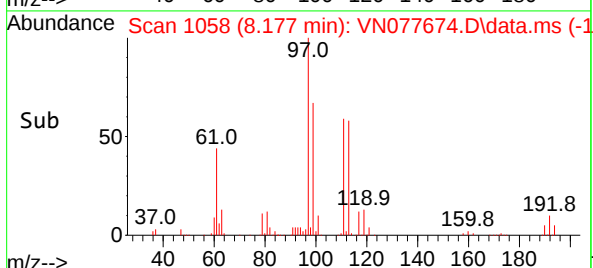
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

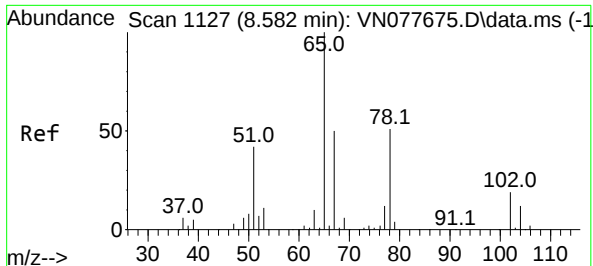


#32
1,1,1-Trichloroethane
Concen: 100.455 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



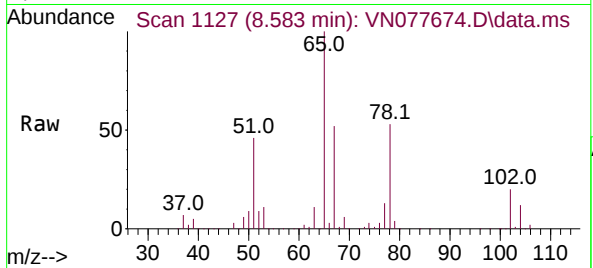
Tgt Ion: 97 Resp: 920518
Ion Ratio Lower Upper
97 100
99 65.4 50.3 75.5
61 44.6 34.7 52.1





#33
1,2-Dichloroethane-d4
Concen: 94.270 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

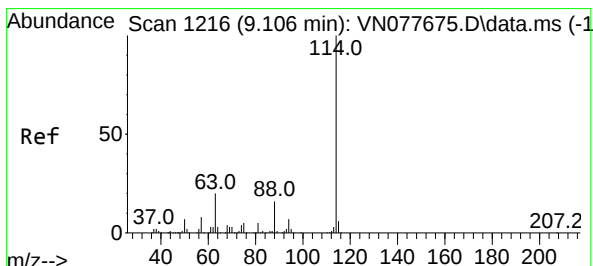
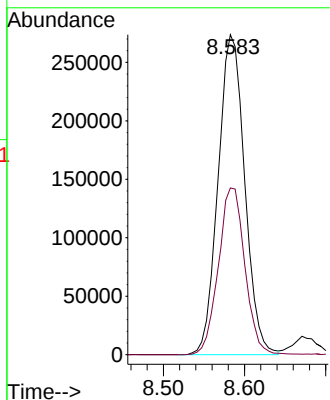
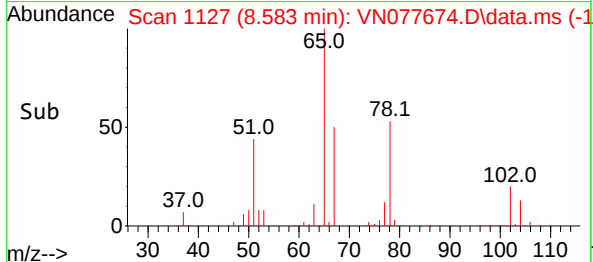
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



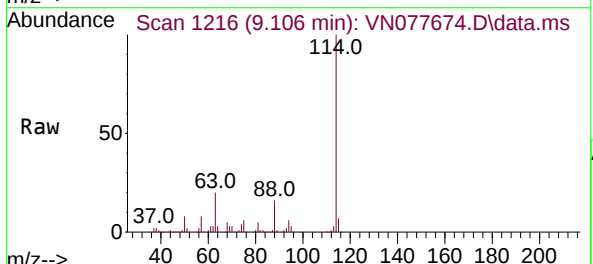
Tgt Ion: 65 Resp: 622878
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

Manual Integrations
APPROVED

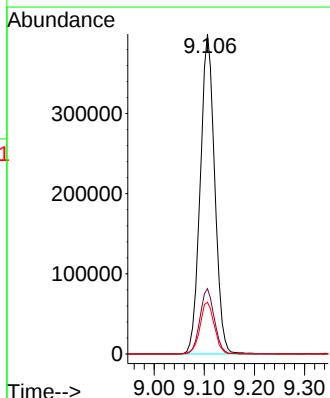
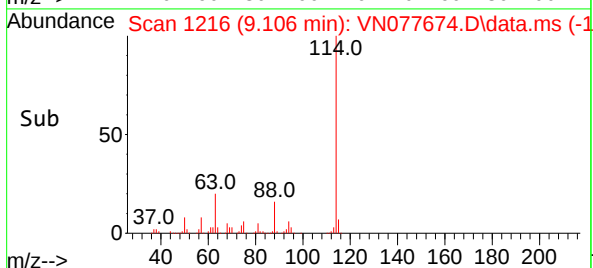
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

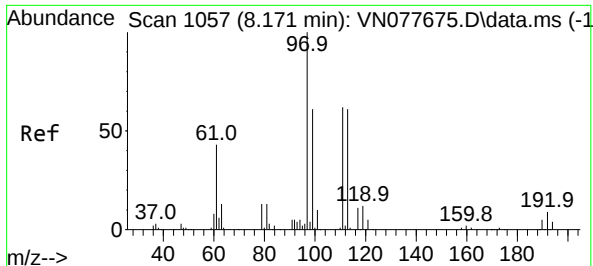


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



Tgt Ion:114 Resp: 798372
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 98.172 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 113 Resp: 511094

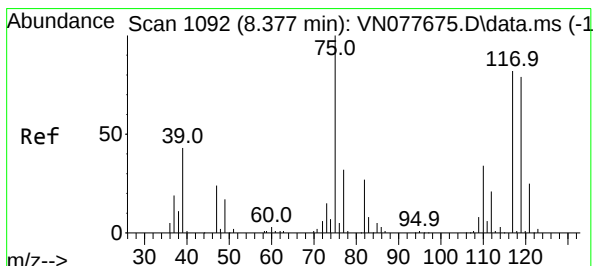
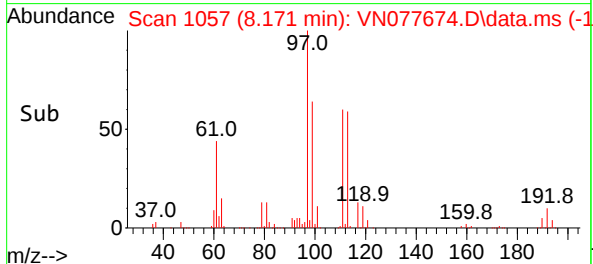
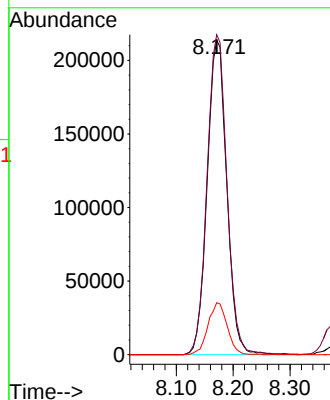
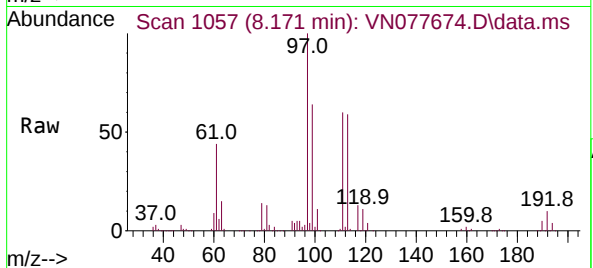
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	16.2	12.7	19.1

Manual Integrations

APPROVED

Reviewed By : John Carlone 05/16/2023

Supervised By : Mahesh Dadoda 05/16/2023



#36

1,1-Dichloropropene

Concen: 102.949 ug/l

RT: 8.377 min Scan# 1092

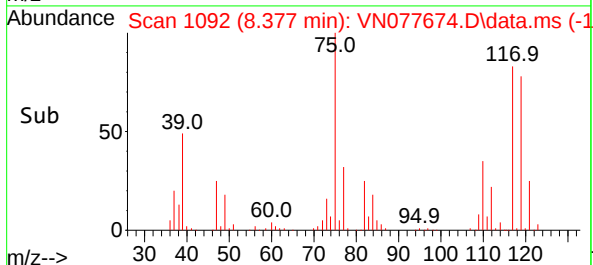
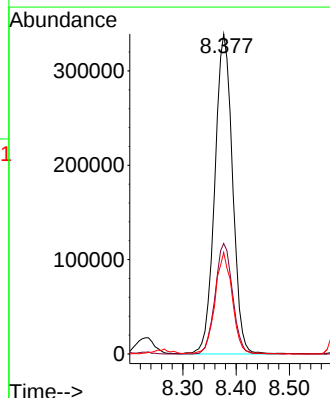
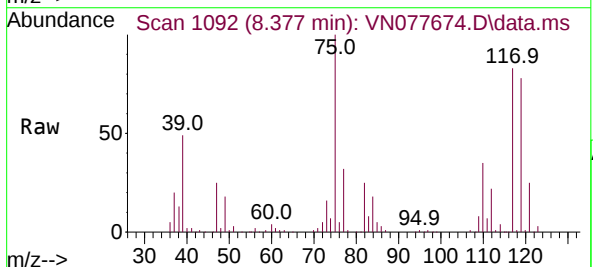
Delta R.T. -0.000 min

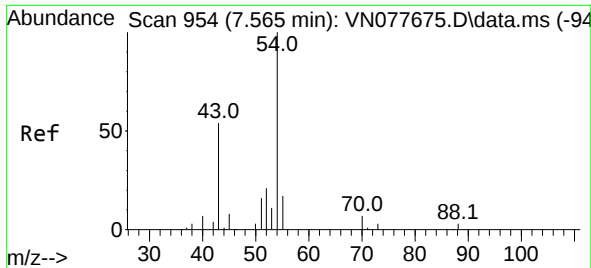
Lab File: VN077674.D

Acq: 15 May 2023 17:13

Tgt Ion: 75 Resp: 783930

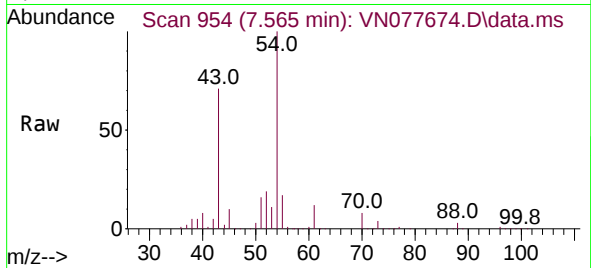
Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.3
77	30.2	25.0	37.4





#37
Ethyl Acetate
Concen: 92.000 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

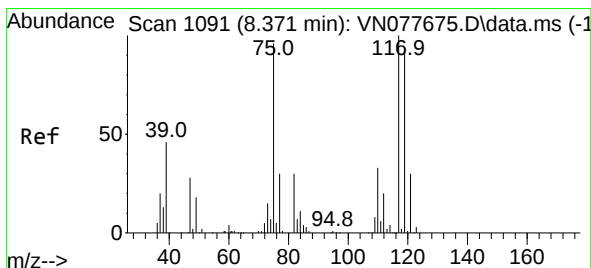
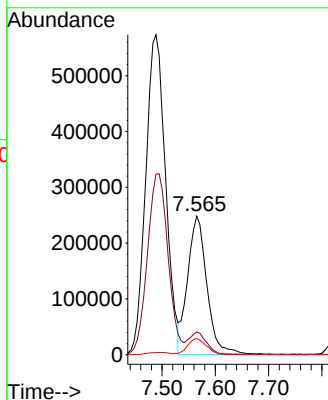
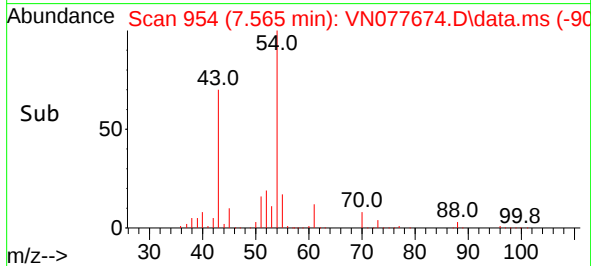
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 624412
Ion Ratio Lower Upper
43 100
61 15.1 13.2 19.8
70 11.3 11.3 16.9

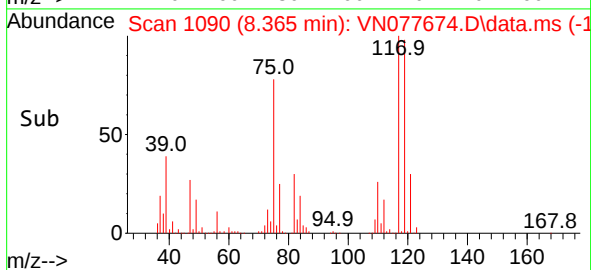
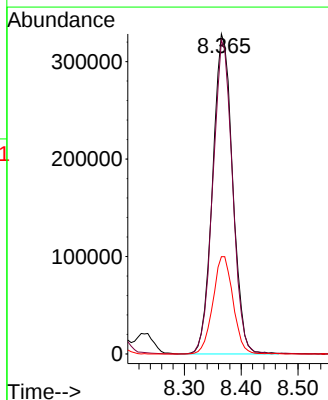
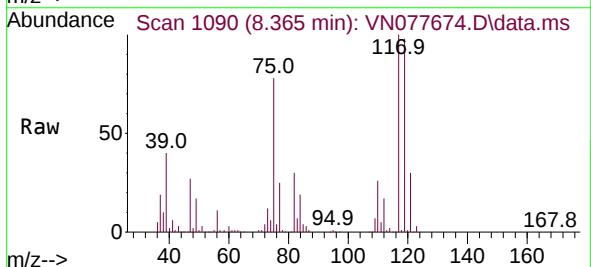
Manual Integrations
APPROVED

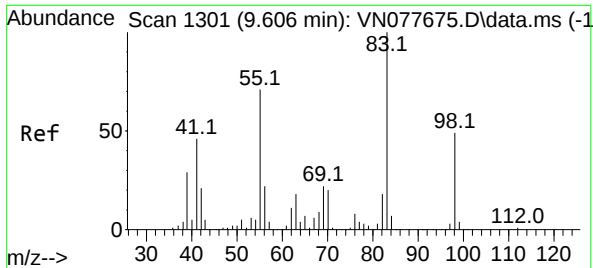
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#38
Carbon Tetrachloride
Concen: 104.492 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

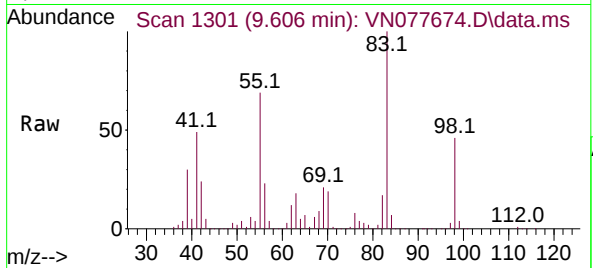
Tgt Ion:117 Resp: 803468
Ion Ratio Lower Upper
117 100
119 98.0 77.3 115.9
121 30.4 23.3 34.9





#39
Methylcyclohexane
Concen: 105.385 ug/l
RT: 9.606 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

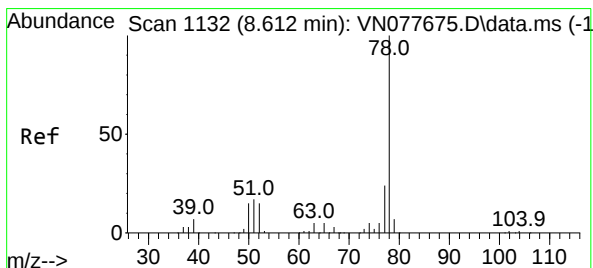
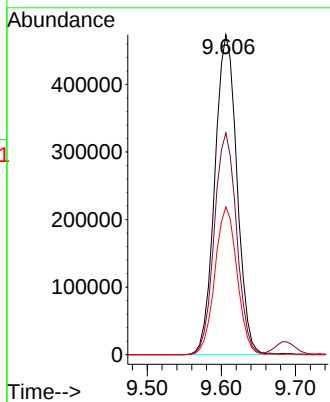
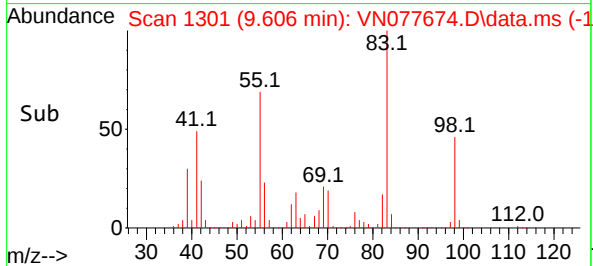
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 982440
Ion Ratio Lower Upper
83 100
55 69.3 49.1 73.7
98 46.2 40.6 61.0

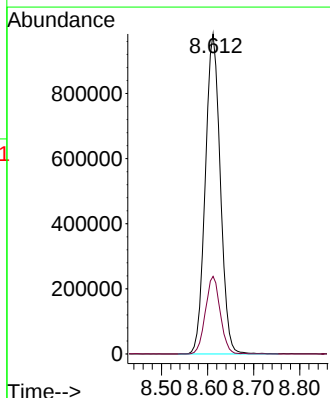
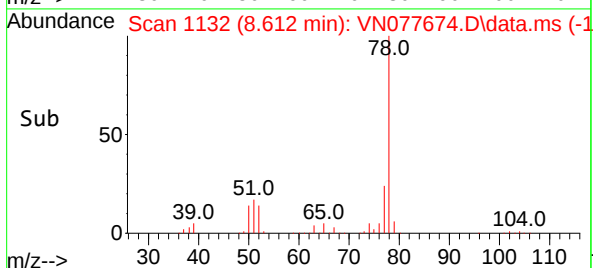
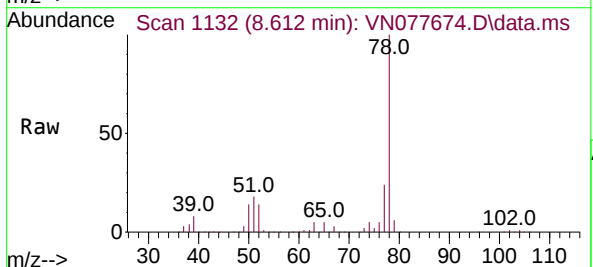
Manual Integrations
APPROVED

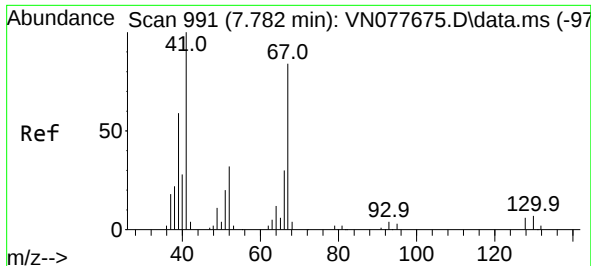
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#40
Benzene
Concen: 99.351 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

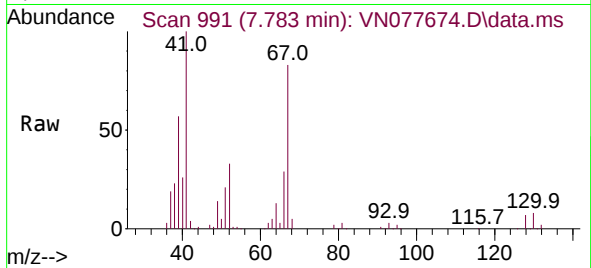
Tgt Ion: 78 Resp: 2232504
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#41
Methacrylonitrile
Concen: 89.234 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

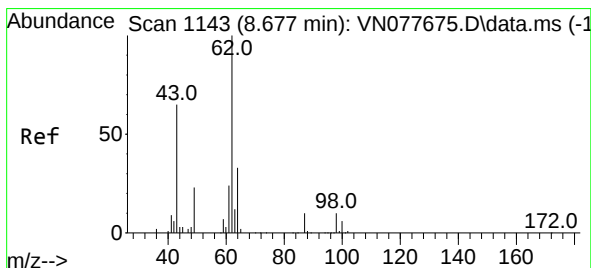
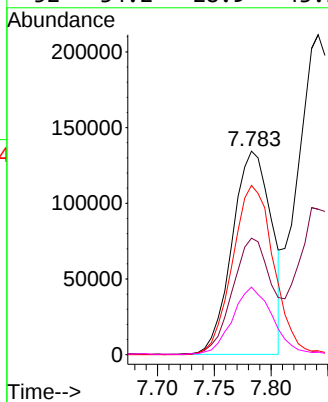
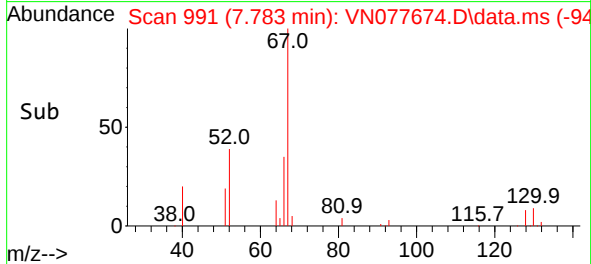
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 322538
Ion Ratio Lower Upper
41 100
39 60.2 42.6 64.0
67 87.8 77.5 116.3
52 34.2 28.9 43.3

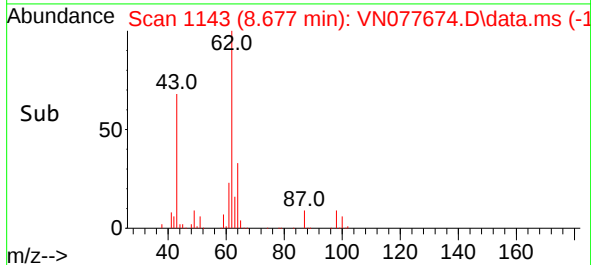
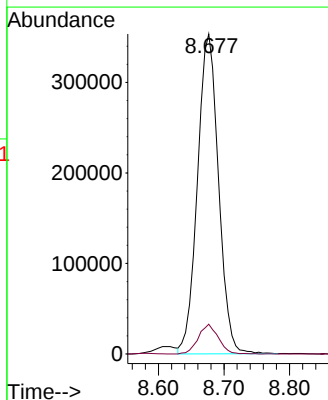
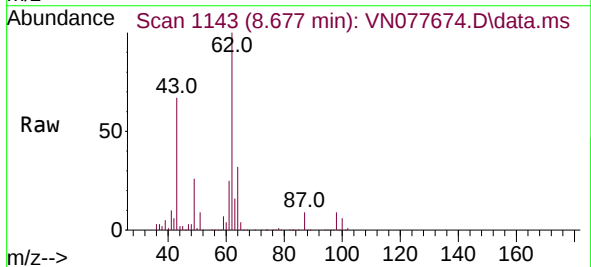
Manual Integrations
APPROVED

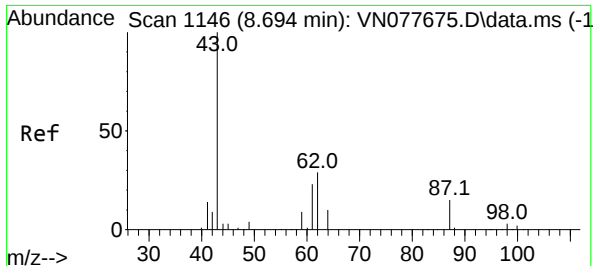
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#42
1,2-Dichloroethane
Concen: 96.766 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 62 Resp: 789866
Ion Ratio Lower Upper
62 100
98 8.8 0.0 19.8





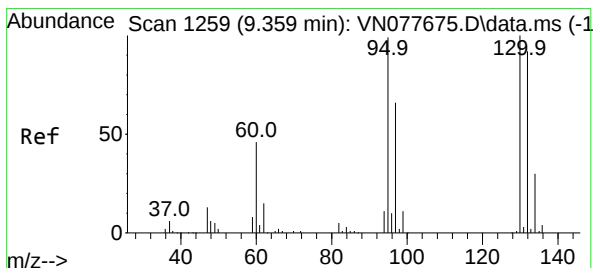
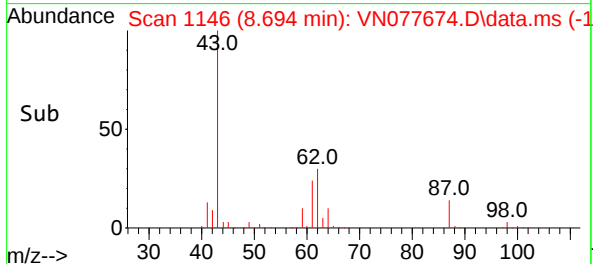
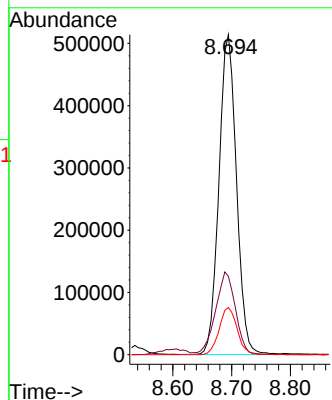
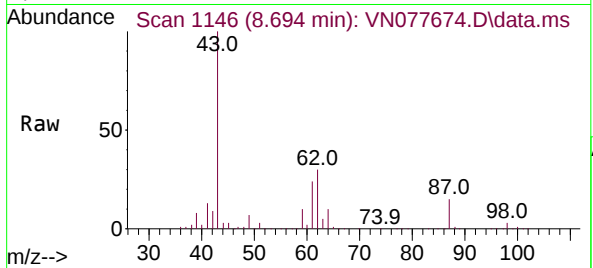
#43
Isopropyl Acetate
Concen: 96.076 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1065100
Ion Ratio Lower Upper
43 100
61 29.4 24.7 37.1
87 15.0 14.6 21.8

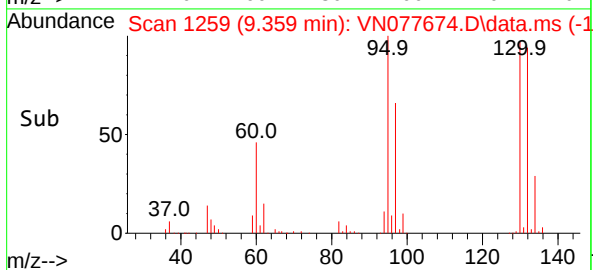
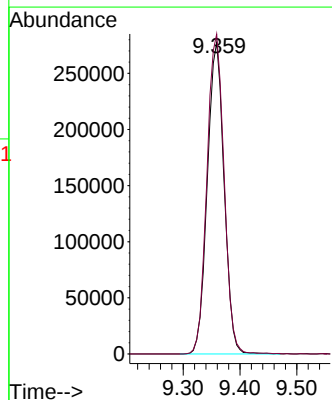
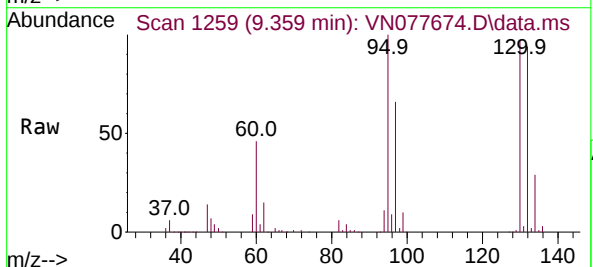
Manual Integrations
APPROVED

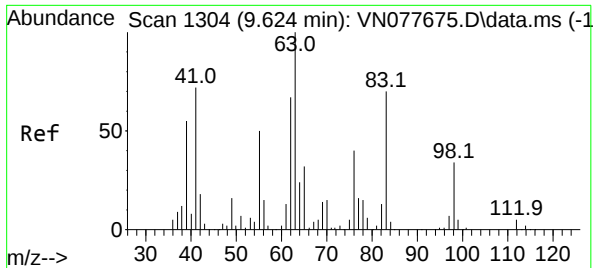
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#44
Trichloroethene
Concen: 99.537 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion:130 Resp: 566348
Ion Ratio Lower Upper
130 100
95 102.7 0.0 204.6





#45

1,2-Dichloropropane

Concen: 100.963 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 578684

Ion Ratio Lower Upper

63 100

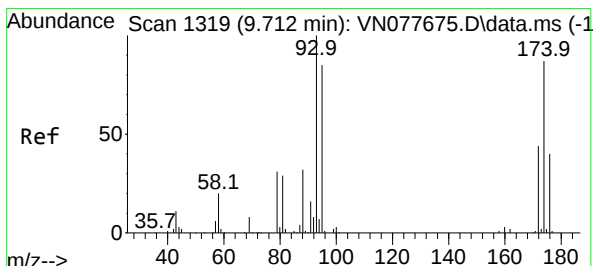
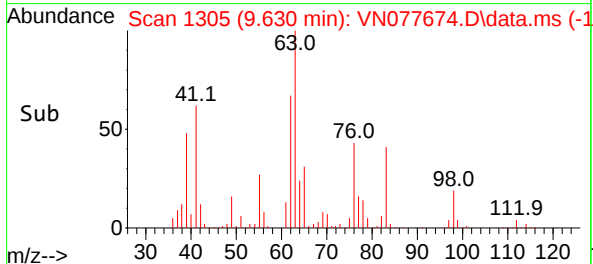
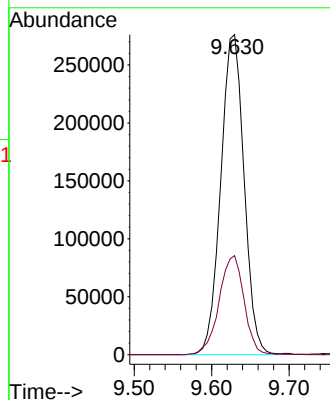
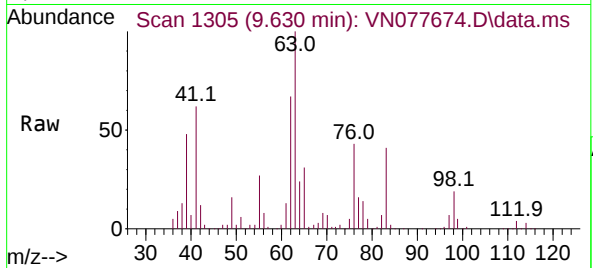
65 30.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#46

Dibromomethane

Concen: 97.353 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

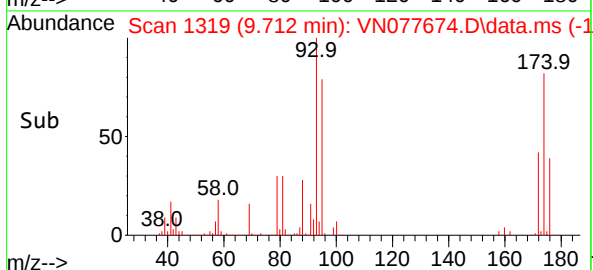
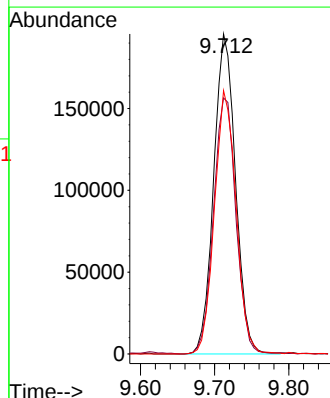
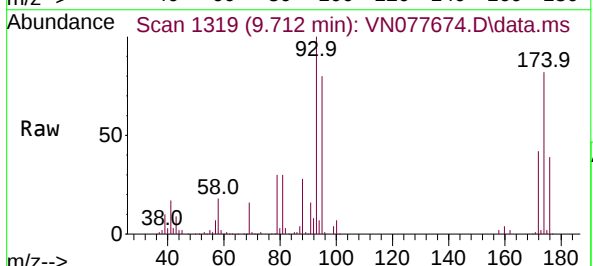
Tgt Ion: 93 Resp: 399284

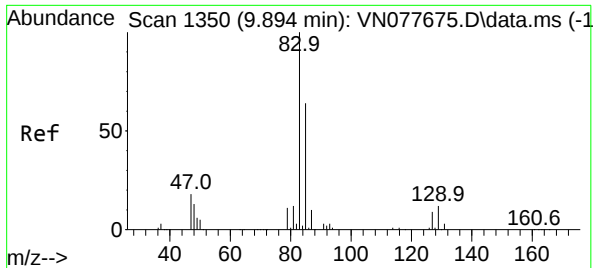
Ion Ratio Lower Upper

93 100

95 82.4 63.8 95.8

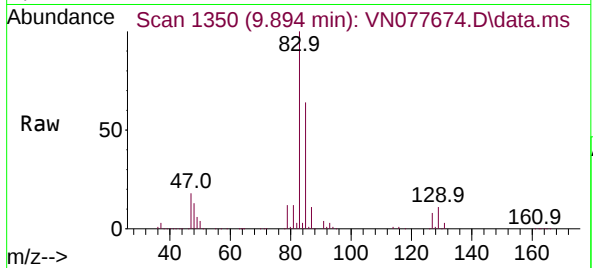
174 81.8 65.6 98.4





#47
Bromodichloromethane
Concen: 102.755 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

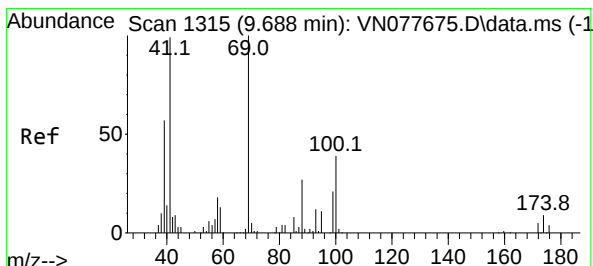
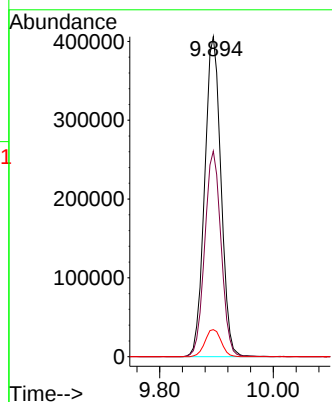
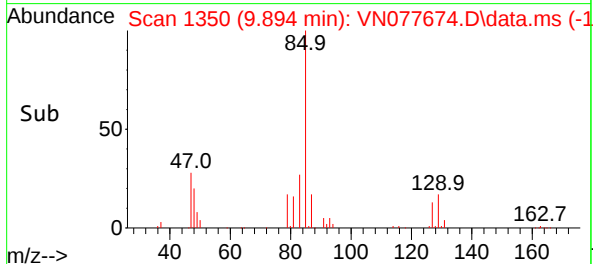
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



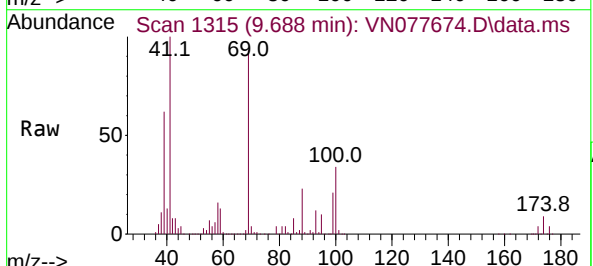
Tgt Ion: 83 Resp: 806849
Ion Ratio Lower Upper
83 100
85 64.2 49.6 74.4
127 8.5 7.0 10.6

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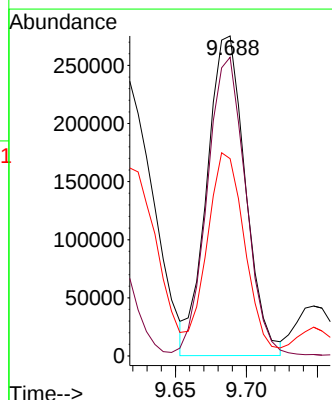
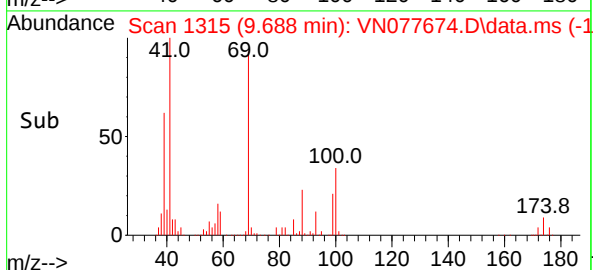
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

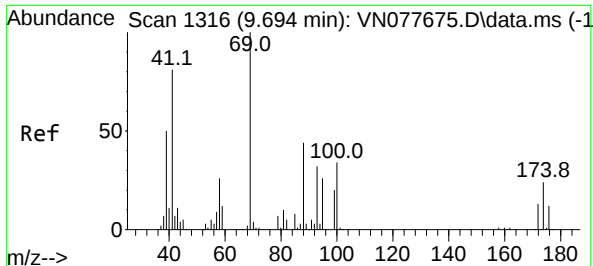


#48
Methyl methacrylate
Concen: 98.643 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



Tgt Ion: 41 Resp: 518474
Ion Ratio Lower Upper
41 100
69 93.2 90.4 135.6
39 63.1 54.6 81.8





#49

1,4-Dioxane

Concen: 1790.028 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 177720

Ion Ratio Lower Upper

88 100

43 27.1 17.0 25.6

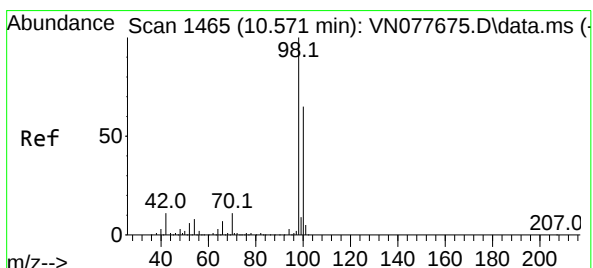
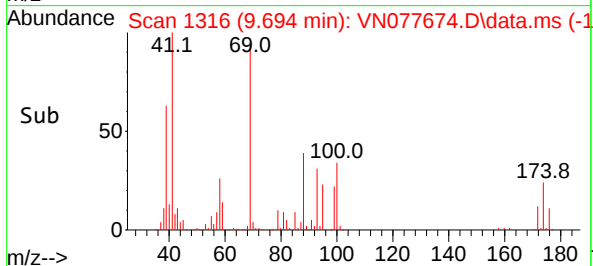
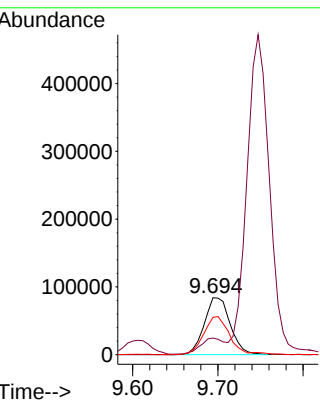
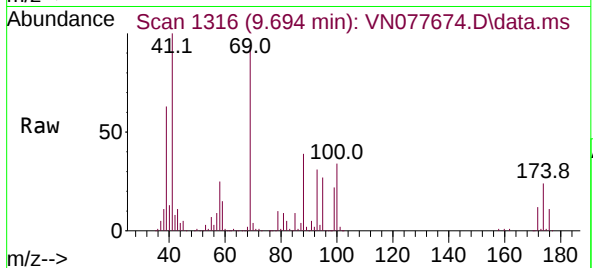
58 67.5 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#50

Toluene-d8

Concen: 99.847 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077674.D

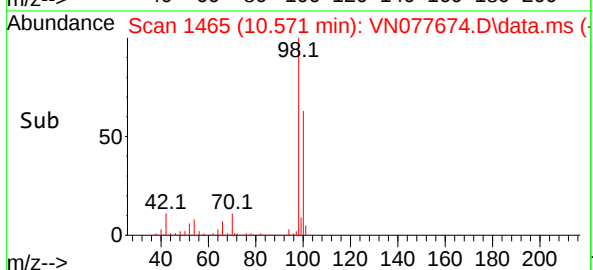
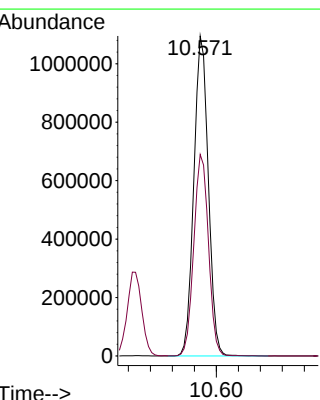
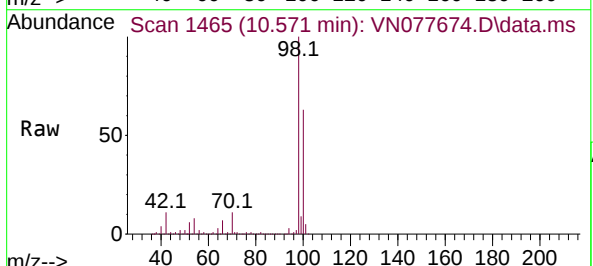
Acq: 15 May 2023 17:13

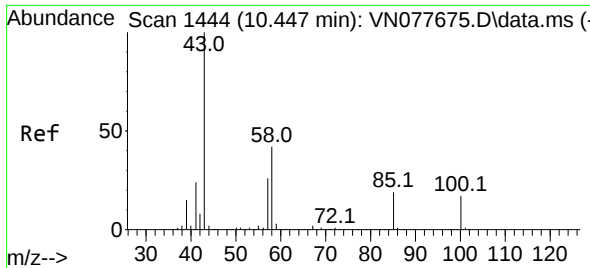
Tgt Ion: 98 Resp: 2000807

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0





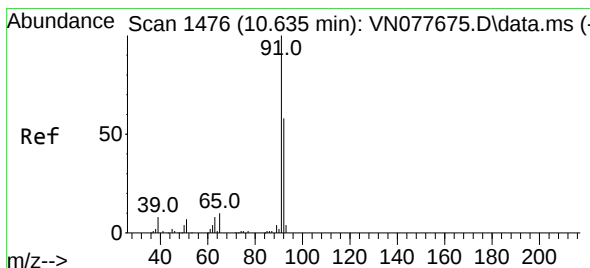
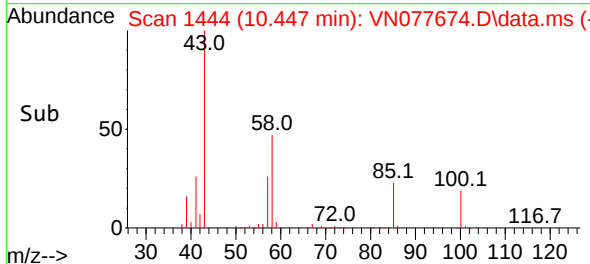
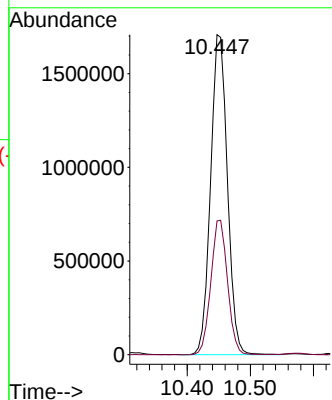
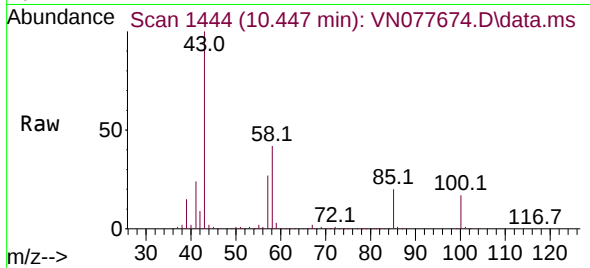
#51
4-Methyl-2-Pentanone
Concen: 478.110 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 315057
Ion Ratio Lower Upper
43 100
58 41.7 36.6 54.8

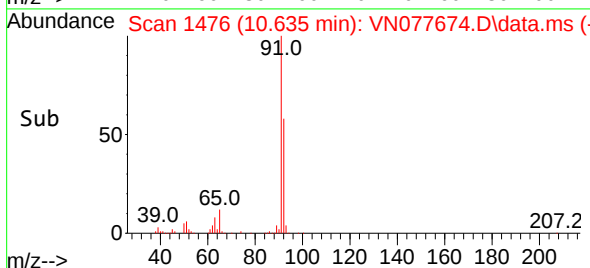
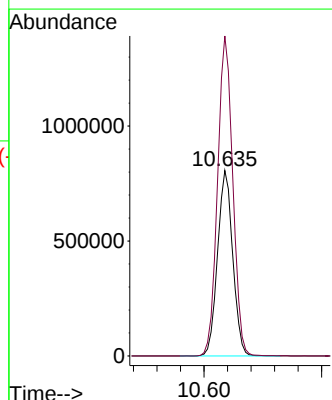
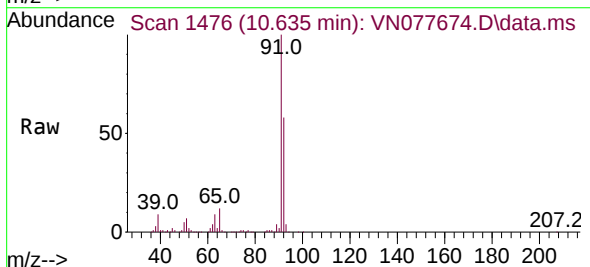
Manual Integrations
APPROVED

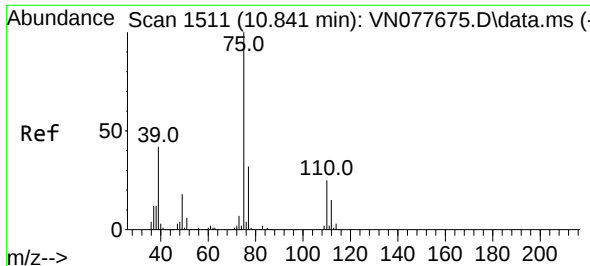
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#52
Toluene
Concen: 103.418 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 92 Resp: 1446734
Ion Ratio Lower Upper
92 100
91 173.1 137.4 206.0





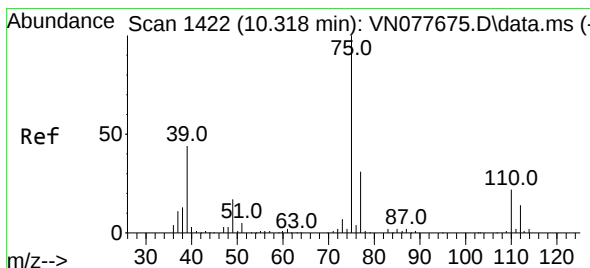
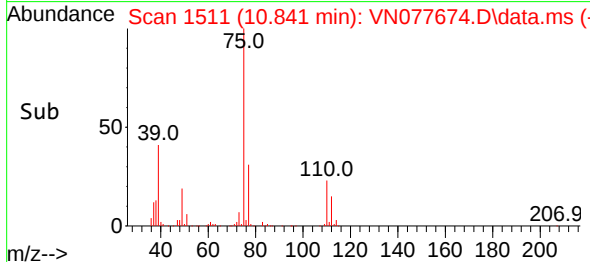
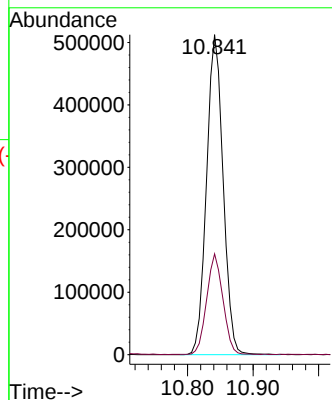
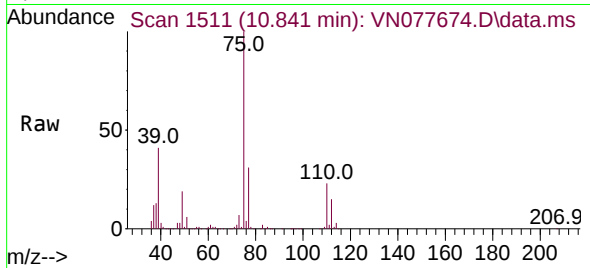
#53
t-1,3-Dichloropropene
Concen: 108.487 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 902083
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

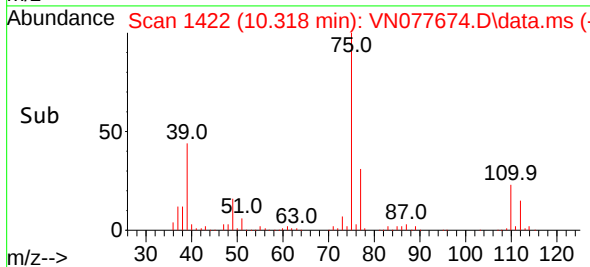
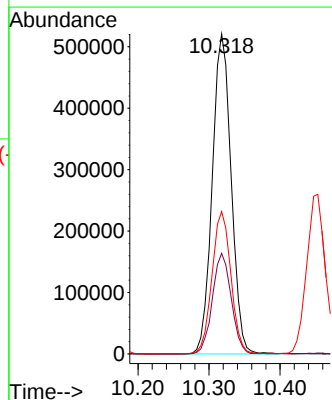
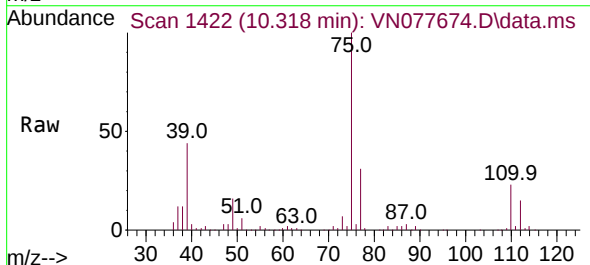
Manual Integrations
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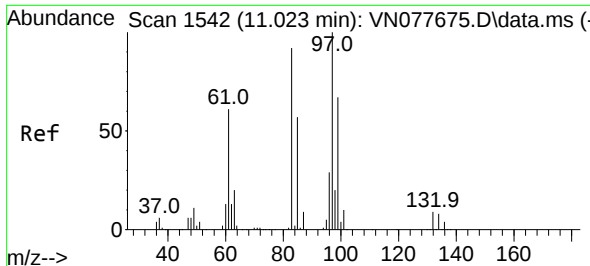
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#54
cis-1,3-Dichloropropene
Concen: 105.037 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

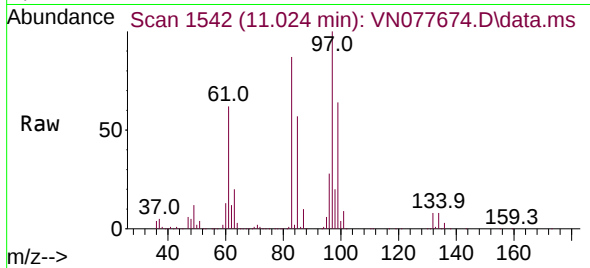
Tgt Ion: 75 Resp: 962494
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1
39 44.5 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 98.652 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

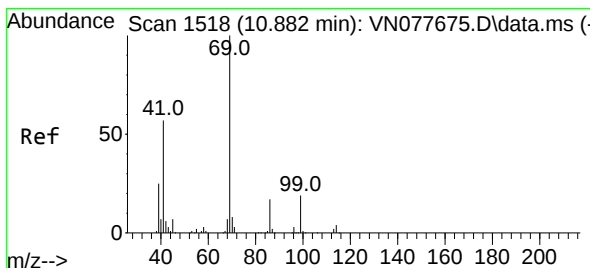
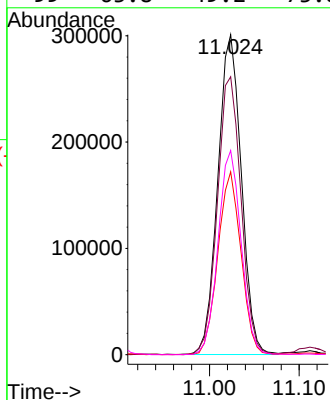
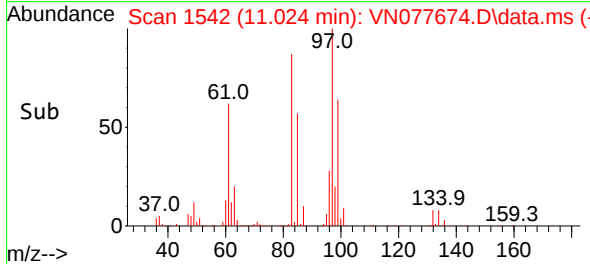
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



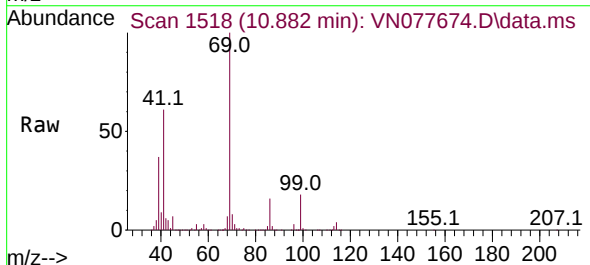
Tgt Ion:	97	Resp:	547969
Ion	Ratio	Lower	Upper
97	100		
83	86.8	65.1	97.7
85	57.0	43.4	65.2
99	63.8	49.2	73.8

Manual Integrations
APPROVED

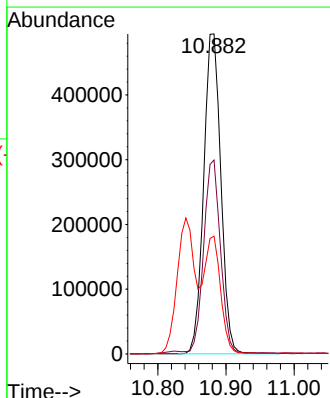
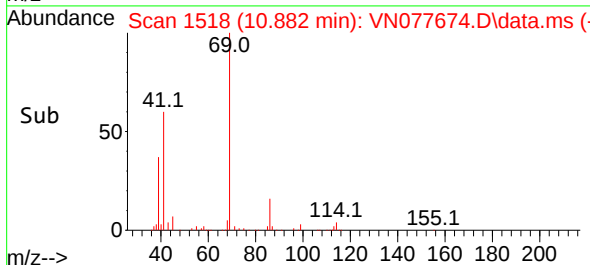
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

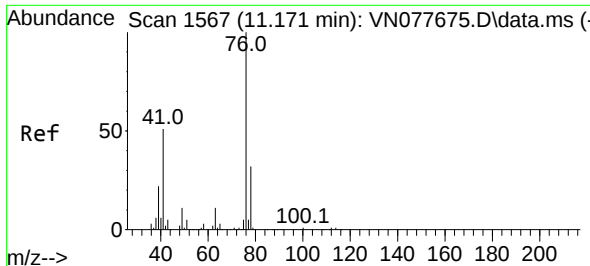


#56
Ethyl methacrylate
Concen: 103.046 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



Tgt Ion:	69	Resp:	865429
Ion	Ratio	Lower	Upper
69	100		
41	58.6	39.6	59.4
39	35.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 99.960 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 951849

Ion Ratio Lower Upper

76 100

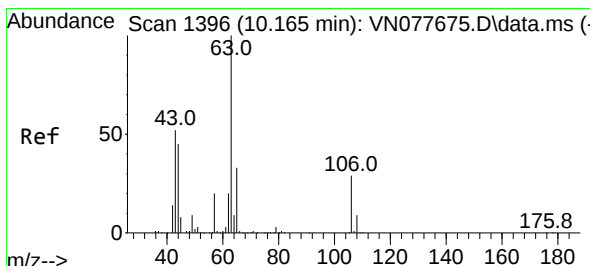
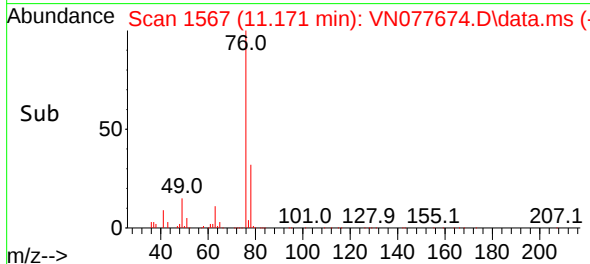
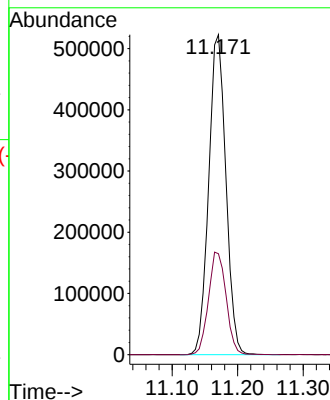
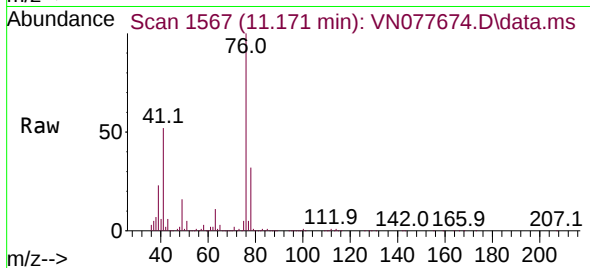
78 32.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#58

2-Chloroethyl Vinyl ether

Concen: 487.072 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077674.D

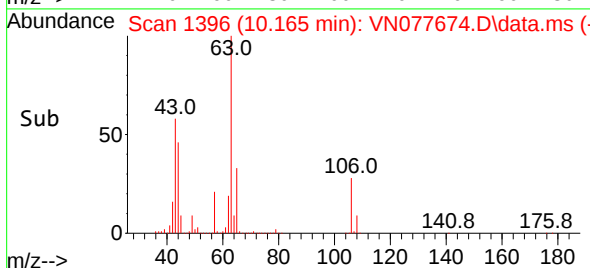
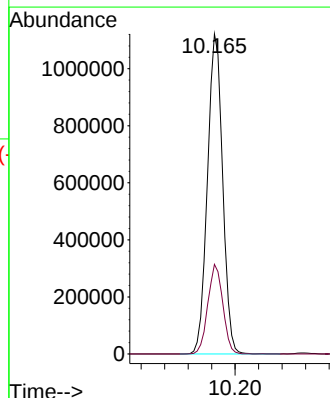
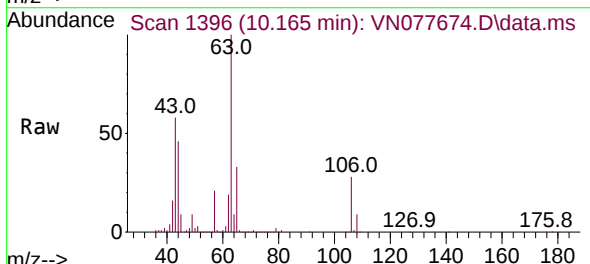
Acq: 15 May 2023 17:13

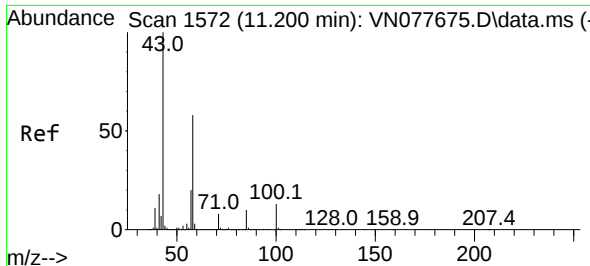
Tgt Ion: 63 Resp: 2012442

Ion Ratio Lower Upper

63 100

106 27.6 26.2 39.4





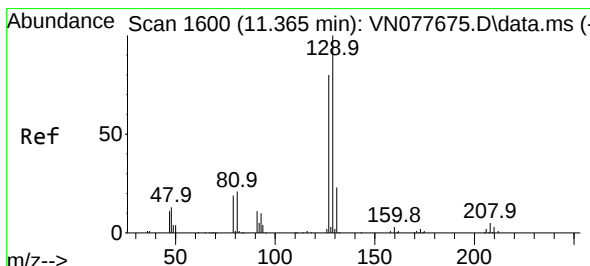
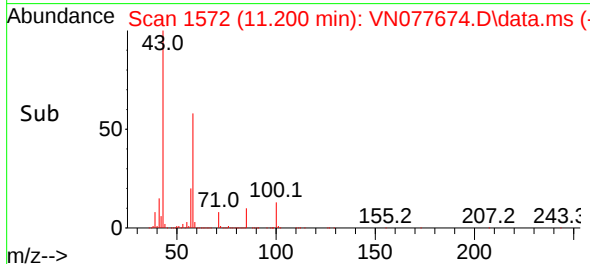
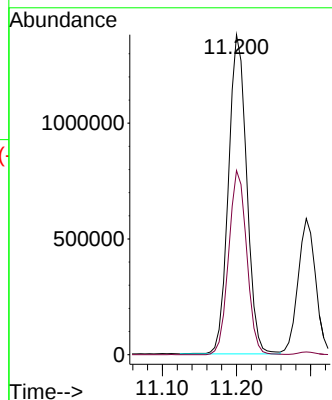
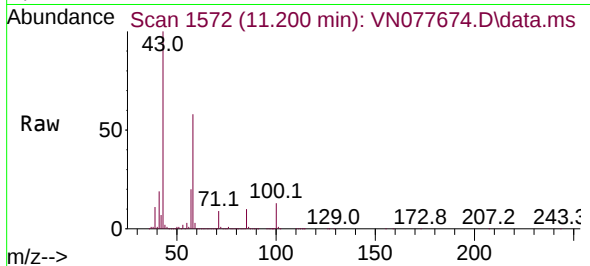
#59
2-Hexanone
Concen: 482.350 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 235101
Ion Ratio Lower Upper
43 100
58 57.2 31.7 95.1

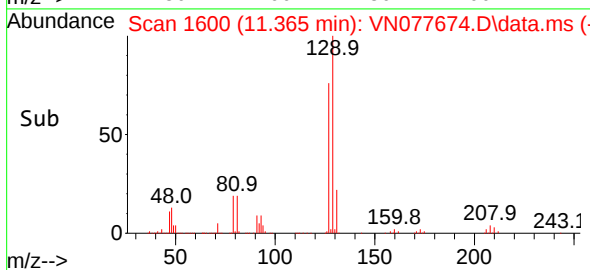
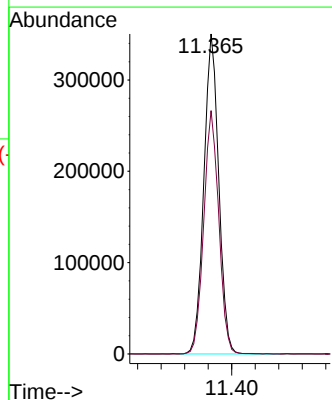
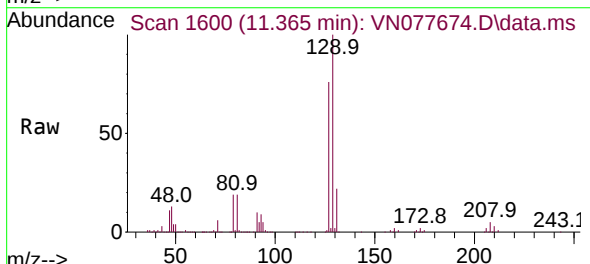
Manual Integrations
APPROVED

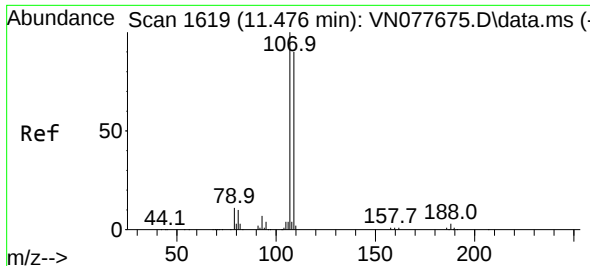
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#60
Dibromochloromethane
Concen: 107.619 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion:129 Resp: 617114
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61
1,2-Dibromoethane
Concen: 103.690 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

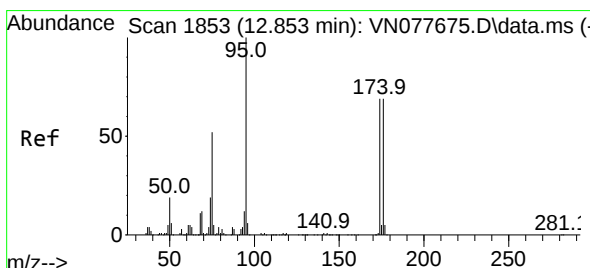
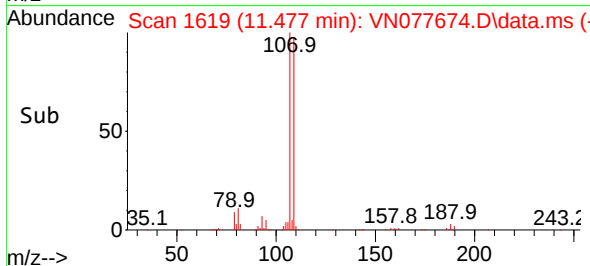
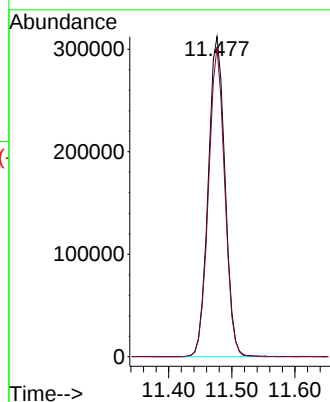
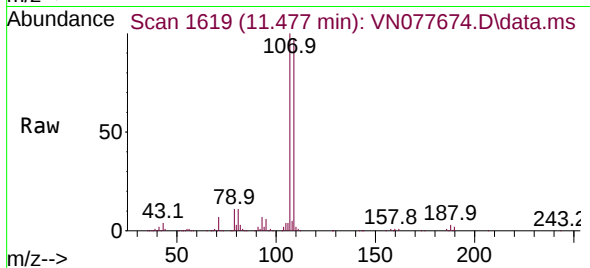
Tgt Ion:107 Resp: 574579
Ion Ratio Lower Upper
107 100
109 93.9 76.6 114.8

Manual Integrations

APPROVED

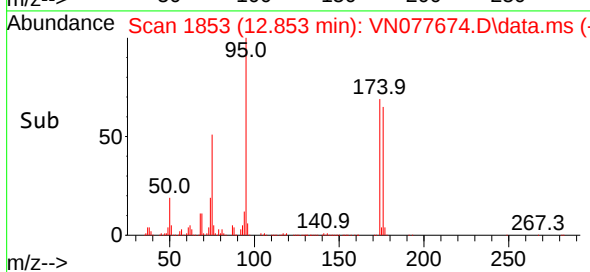
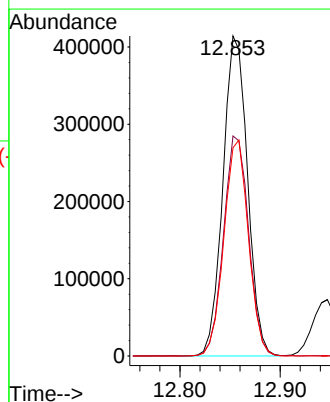
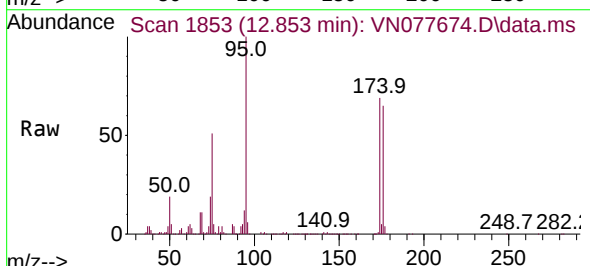
Reviewed By :John Carlone 05/16/2023

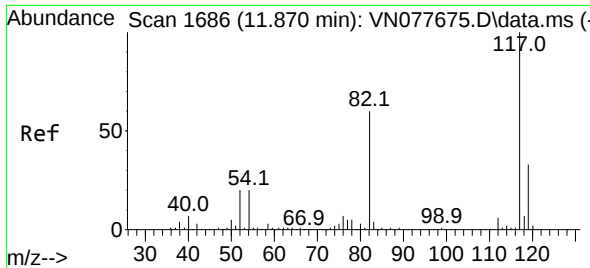
Supervised By :Mahesh Dadoda 05/16/2023



#62
4-Bromofluorobenzene
Concen: 99.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

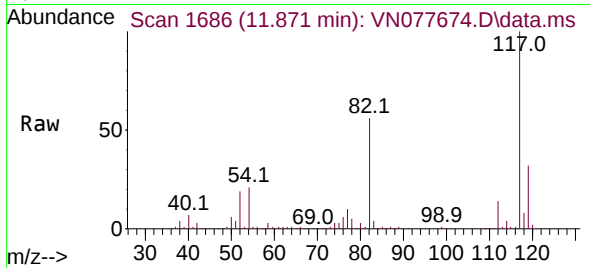
Tgt Ion: 95 Resp: 706137
Ion Ratio Lower Upper
95 100
174 70.2 0.0 143.8
176 67.3 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

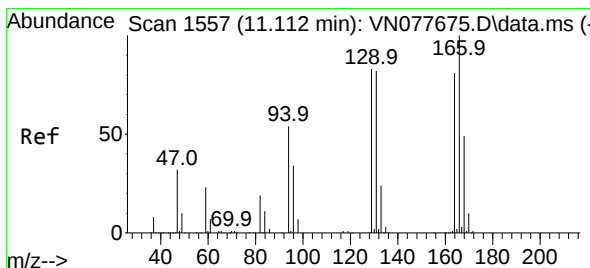
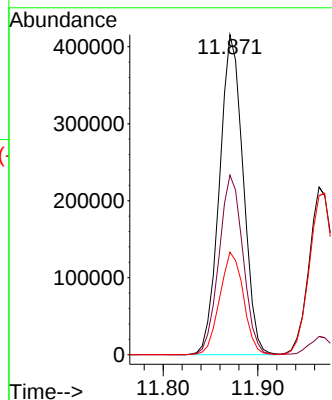
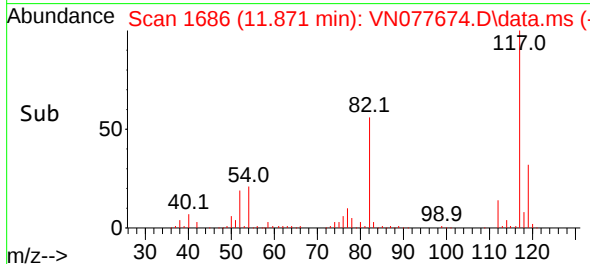
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 72167
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.1 25.6 38.4

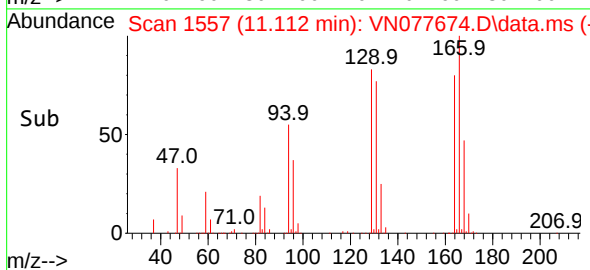
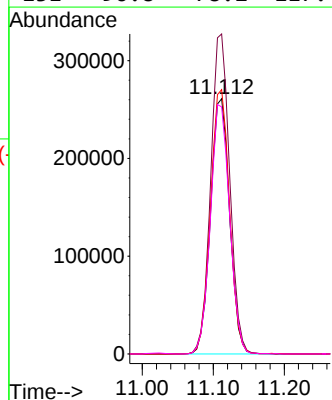
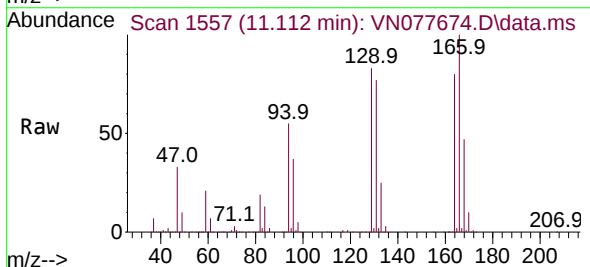
Manual Integrations
APPROVED

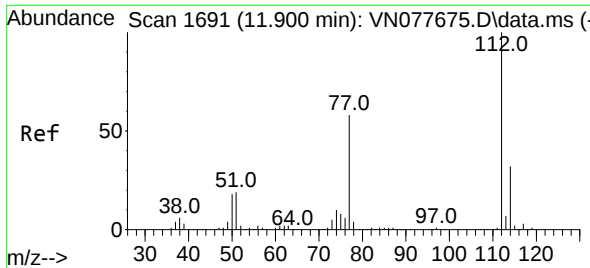
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#64
Tetrachloroethene
Concen: 96.370 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

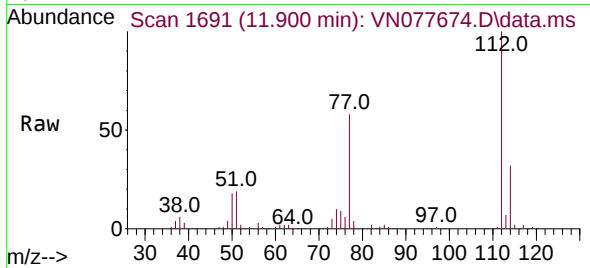
Tgt Ion:164 Resp: 486360
Ion Ratio Lower Upper
164 100
166 125.4 101.4 152.0
129 103.6 82.4 123.6
131 96.8 78.2 117.4





#65
Chlorobenzene
Concen: 98.640 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

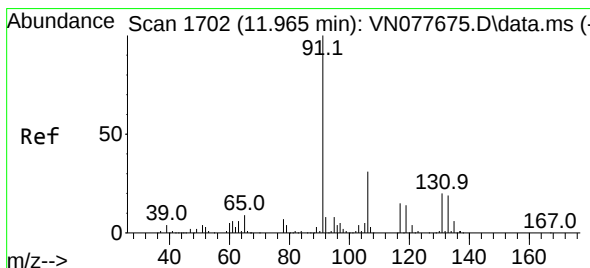
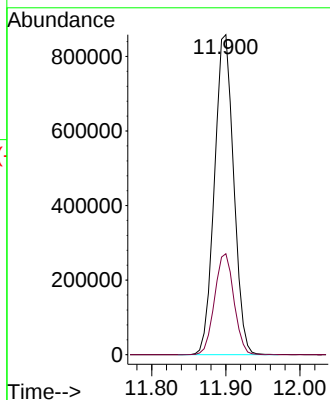
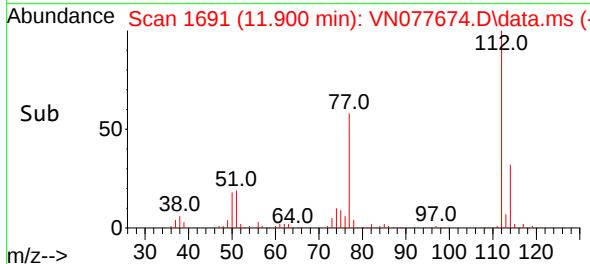
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



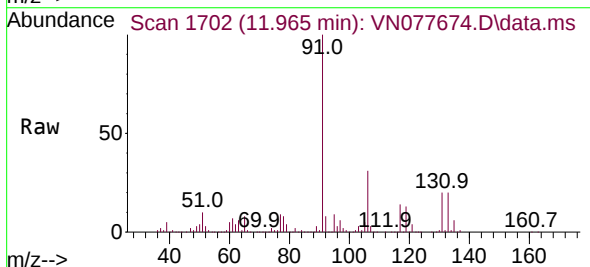
Tgt Ion:112 Resp: 154322
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4

Manual Integrations
APPROVED

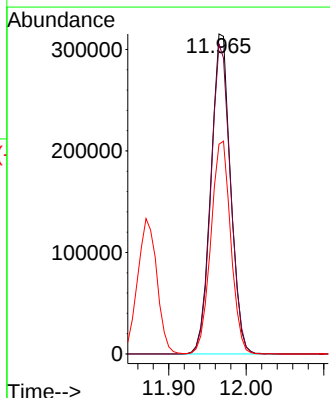
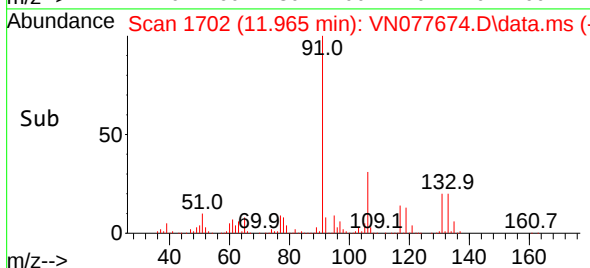
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

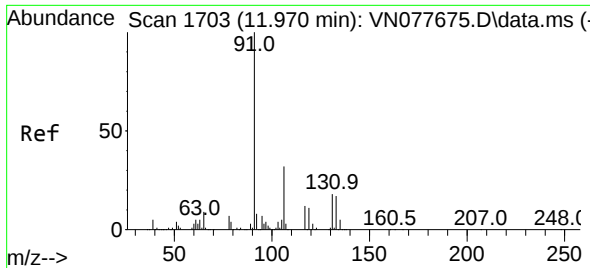


#66
1,1,1,2-Tetrachloroethane
Concen: 102.435 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



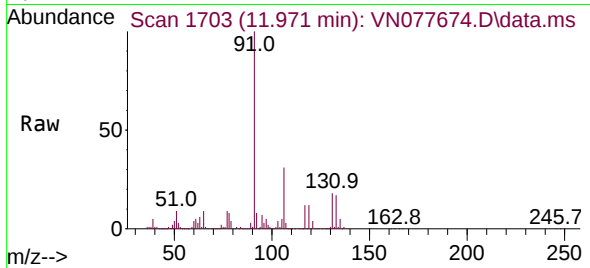
Tgt Ion:131 Resp: 554515
Ion Ratio Lower Upper
131 100
133 96.5 46.4 139.1
119 67.3 34.1 102.2





#67
Ethyl Benzene
Concen: 101.456 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

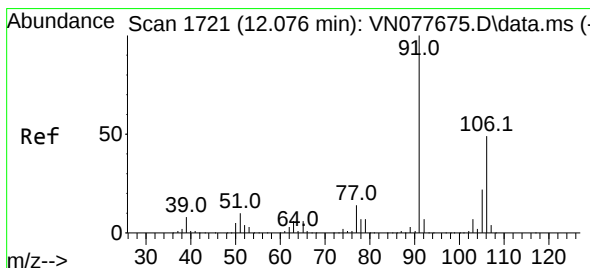
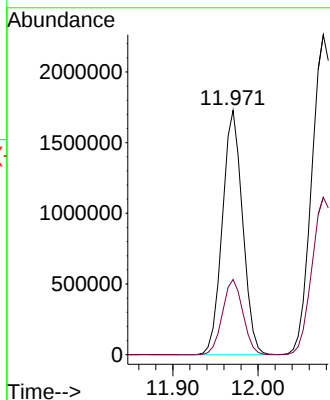
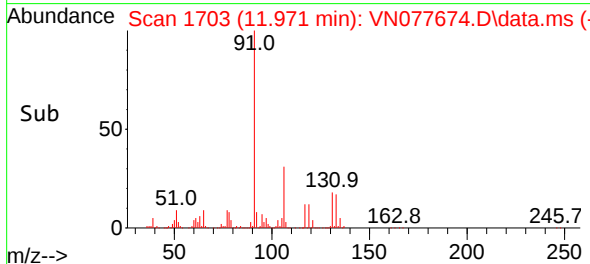
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



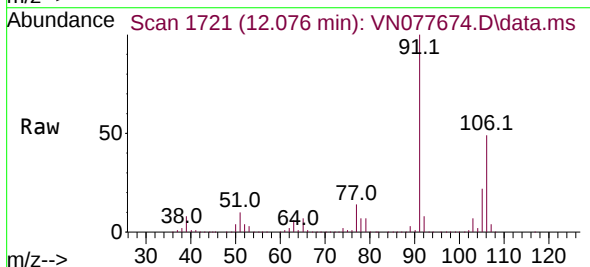
Tgt Ion: 91 Resp: 284446
Ion Ratio Lower Upper
91 100
106 30.8 25.6 38.4

Manual Integrations
APPROVED

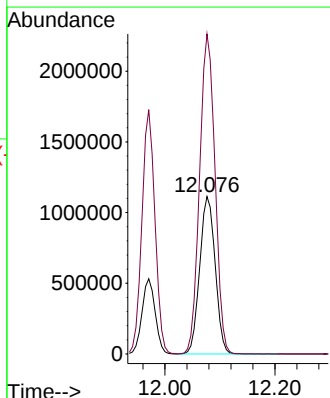
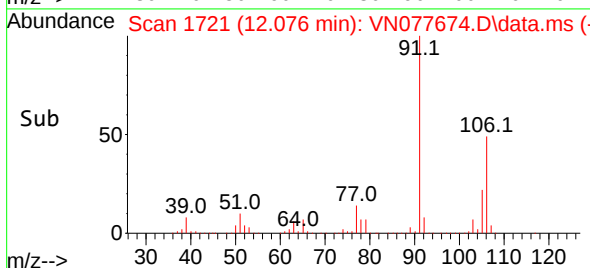
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

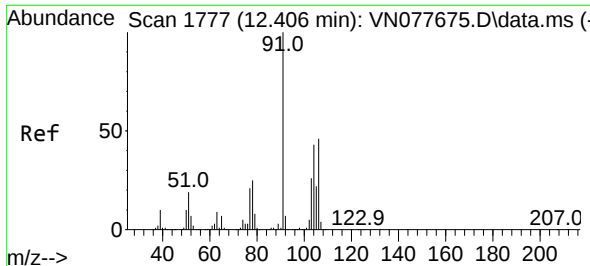


#68
m/p-Xylenes
Concen: 204.421 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



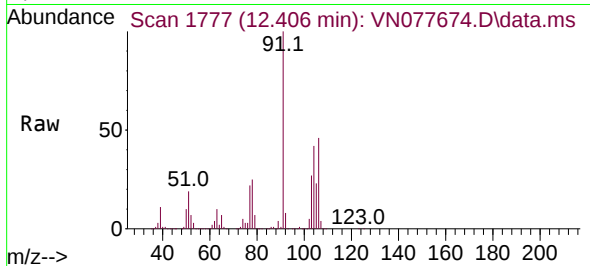
Tgt Ion:106 Resp: 2171628
Ion Ratio Lower Upper
106 100
91 203.1 159.6 239.4





#69
o-Xylene
Concen: 101.337 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

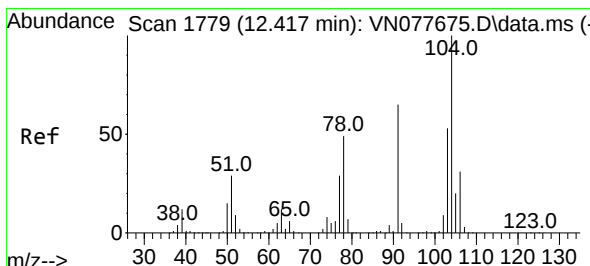
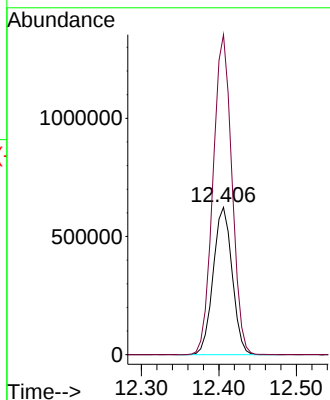
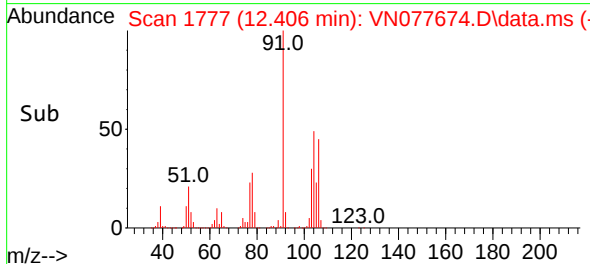
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:106 Resp: 105870
Ion Ratio Lower Upper
106 100
91 216.2 105.2 315.5

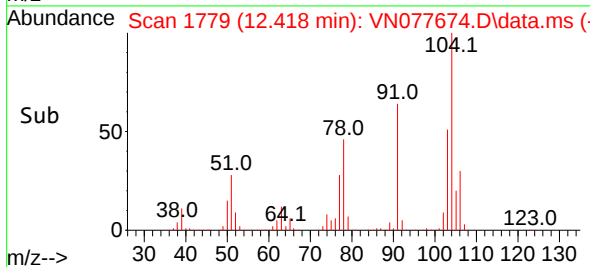
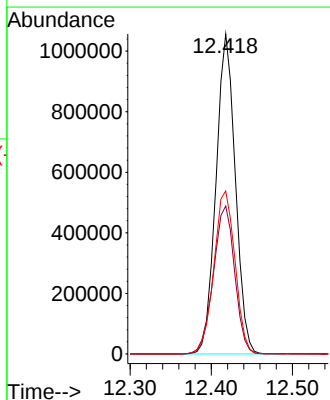
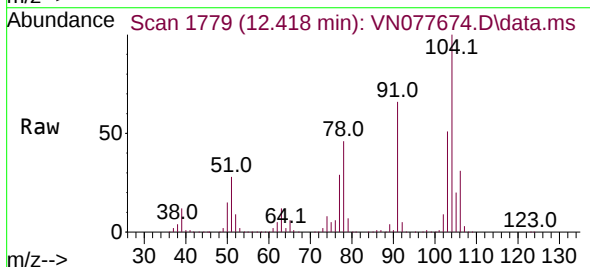
Manual Integrations
APPROVED

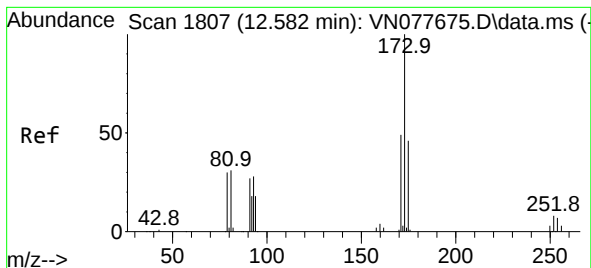
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#70
Styrene
Concen: 105.539 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion:104 Resp: 1751580
Ion Ratio Lower Upper
104 100
78 50.8 39.5 59.3
103 55.7 43.2 64.8





#71

Bromoform

Concen: 107.314 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:173 Resp: 386452

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

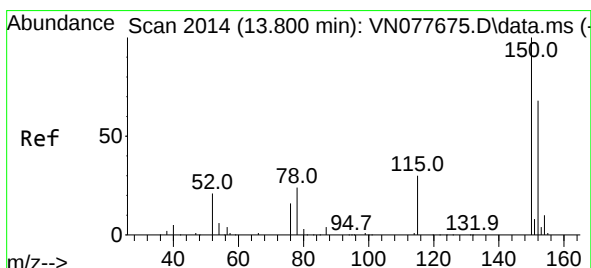
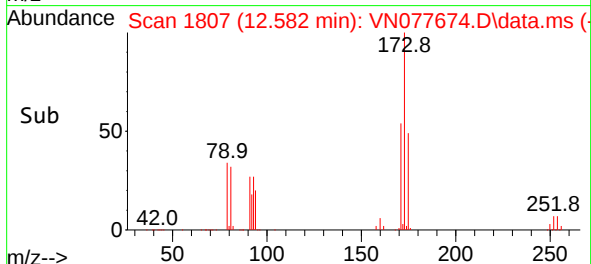
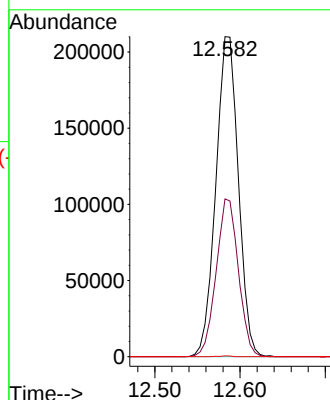
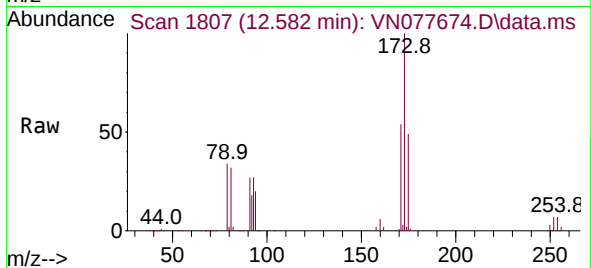
254 0.1 0.0 0.0

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: VN077674.D

Acq: 15 May 2023 17:13

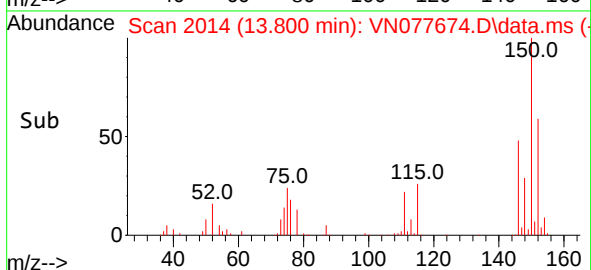
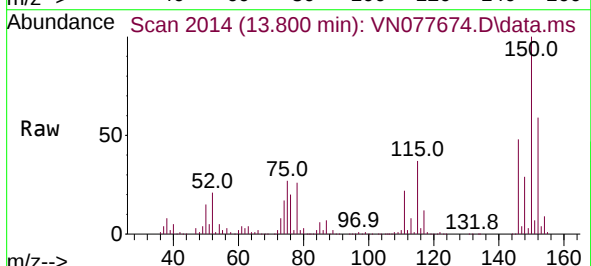
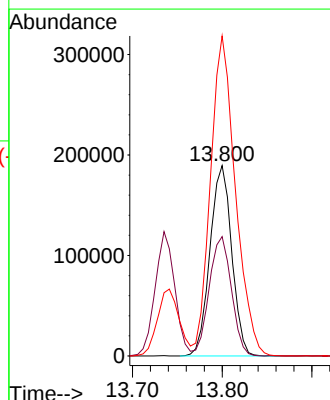
Tgt Ion:152 Resp: 318569

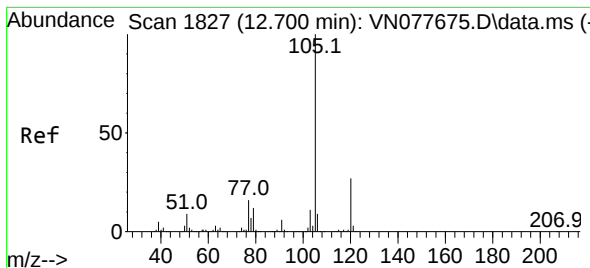
Ion Ratio Lower Upper

152 100

115 64.1 32.3 96.8

150 192.9 0.0 355.8





#73

Isopropylbenzene

Concen: 101.915 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 279866

Ion Ratio Lower Upper

105 100

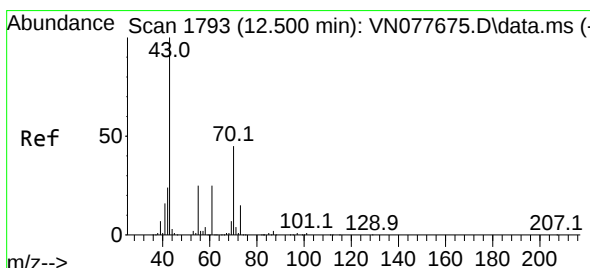
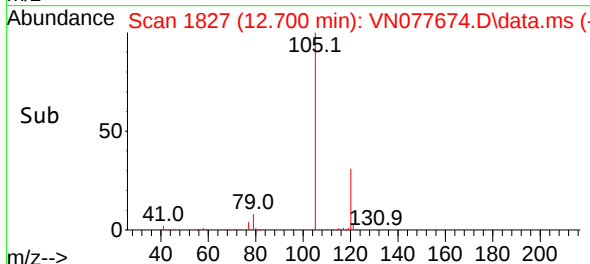
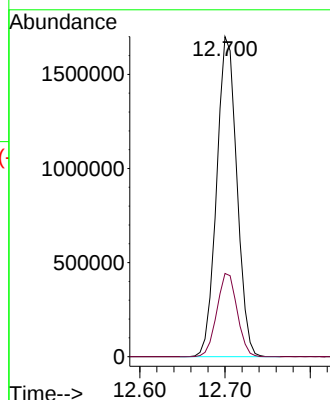
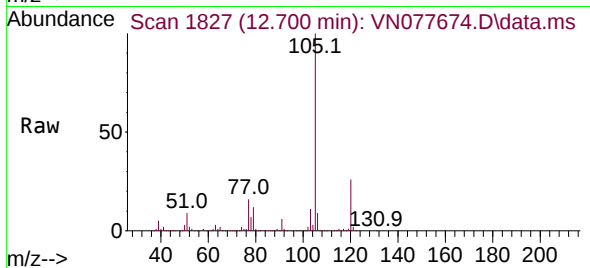
120 26.1 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#74

N-ethyl acetate

Concen: 94.659 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Tgt Ion: 43 Resp: 960814

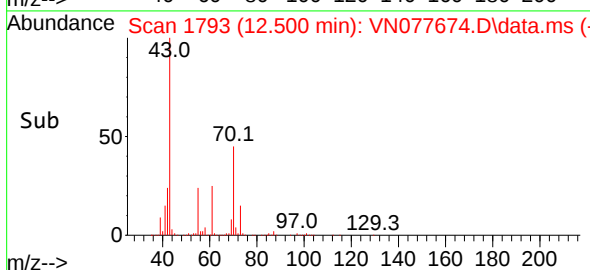
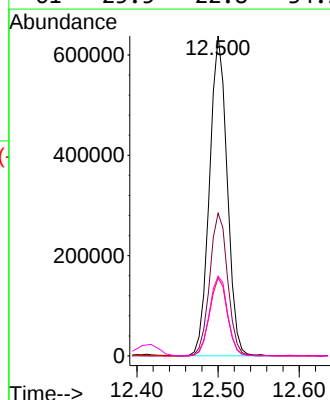
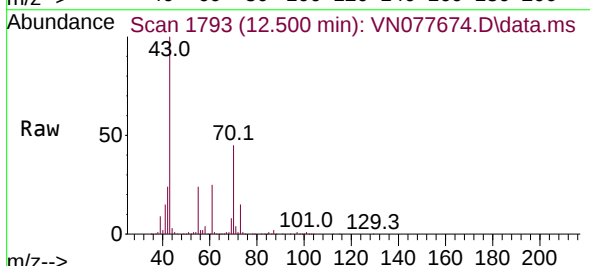
Ion Ratio Lower Upper

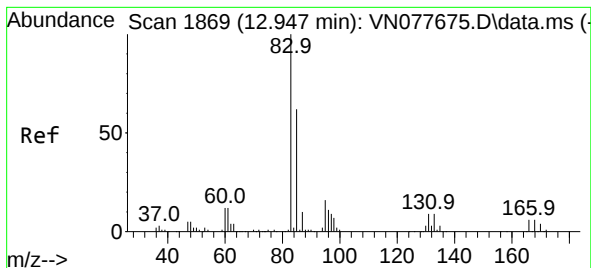
43 100

70 45.5 43.4 65.2

55 24.8 21.4 32.0

61 25.5 22.8 34.2





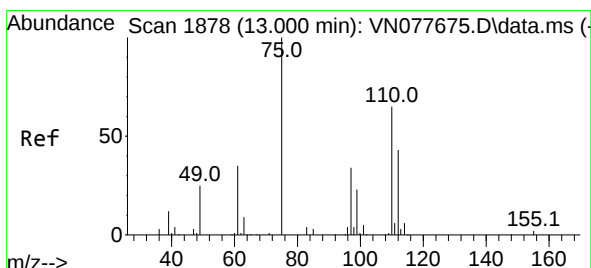
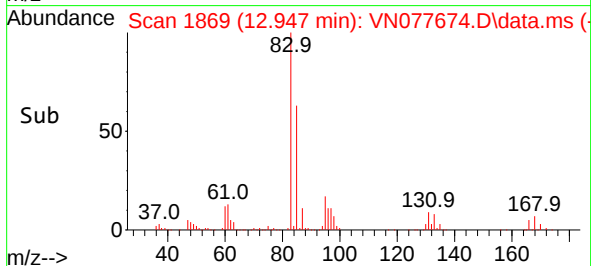
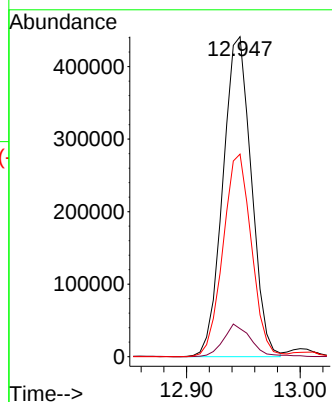
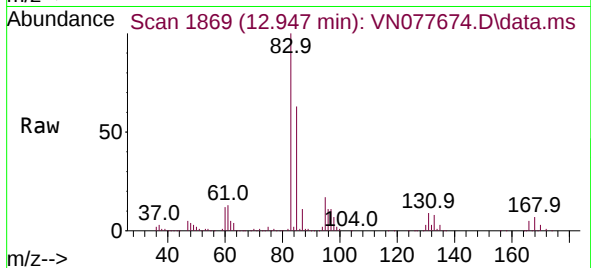
#75
1,1,2,2-Tetrachloroethane
Concen: 90.887 ug/l
RT: 12.947 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 767808
Ion Ratio Lower Upper
83 100
131 10.0 5.0 15.0
85 63.4 31.9 95.7

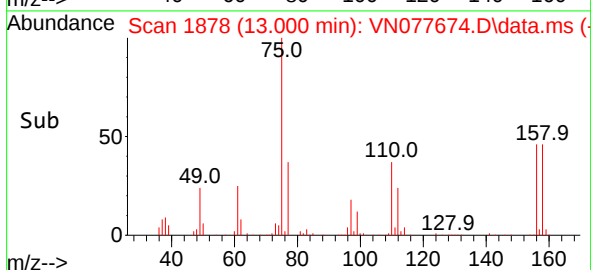
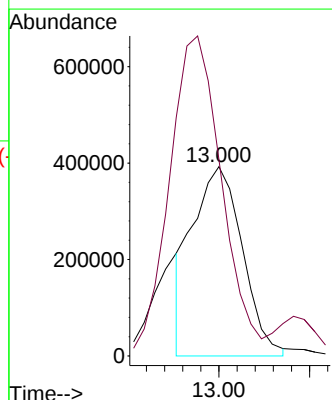
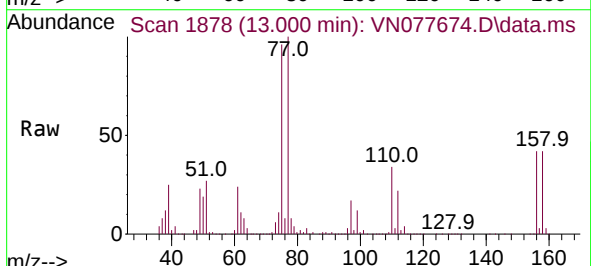
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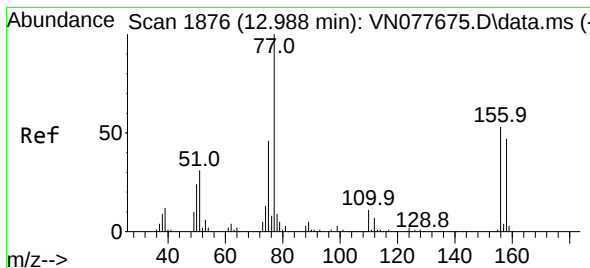
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#76
1,2,3-Trichloropropane
Concen: 97.204 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 75 Resp: 747805
Ion Ratio Lower Upper
75 100
77 177.7 84.5 253.5





#77

Bromobenzene

Concen: 94.238 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

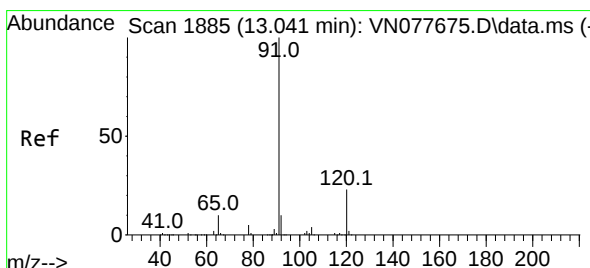
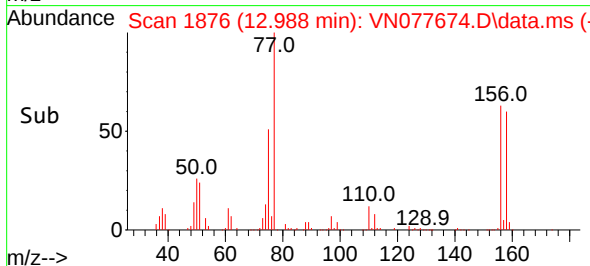
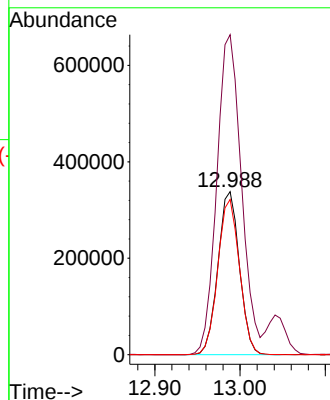
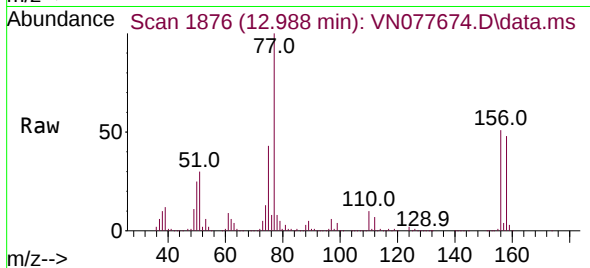
Tgt Ion:156 Resp: 590564
 Ion Ratio Lower Upper
 156 100
 77 225.0 107.7 323.3
 158 96.5 48.4 145.3

Manual Integrations

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Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#78

n-propylbenzene

Concen: 102.427 ug/l

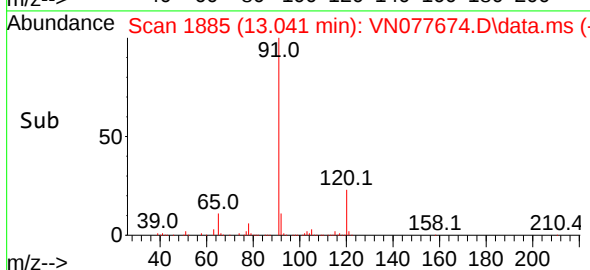
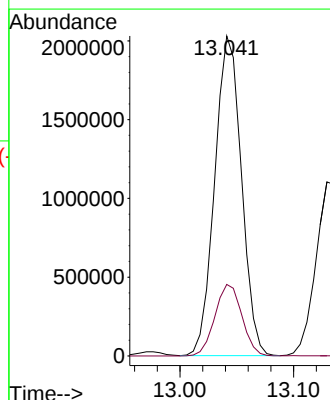
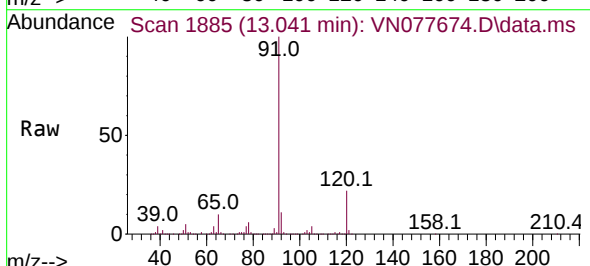
RT: 13.041 min Scan# 1885

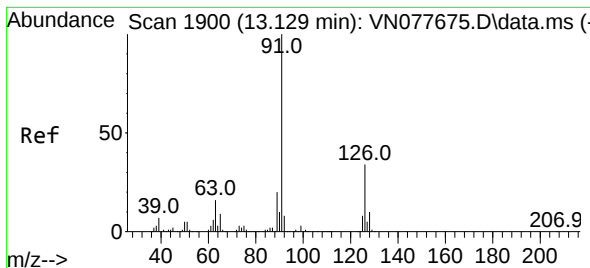
Delta R.T. 0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Tgt Ion: 91 Resp: 3316035
 Ion Ratio Lower Upper
 91 100
 120 22.6 11.5 34.4





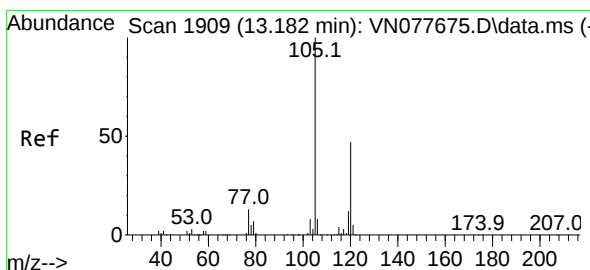
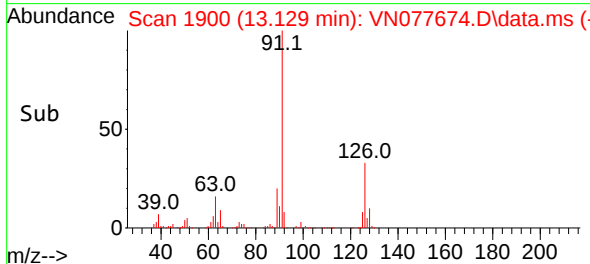
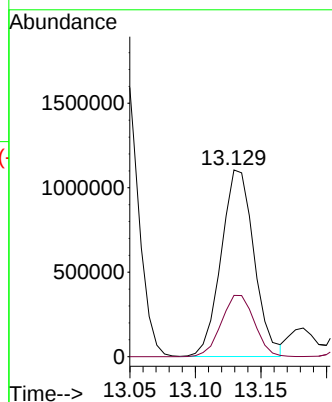
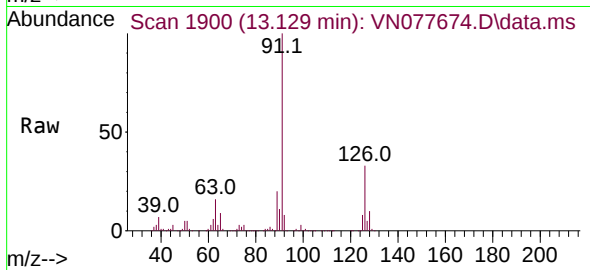
#79
2-Chlorotoluene
Concen: 99.950 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1930880
Ion Ratio Lower Upper
91 100
126 33.0 16.3 48.8

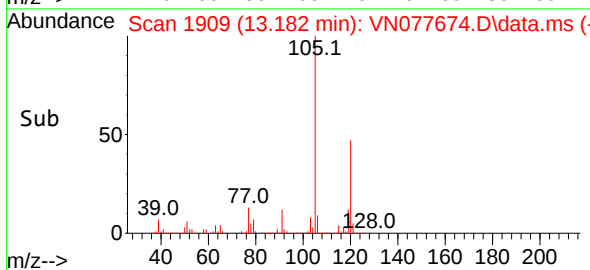
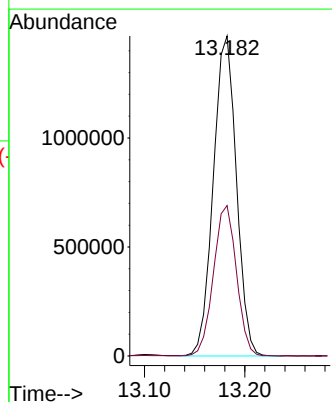
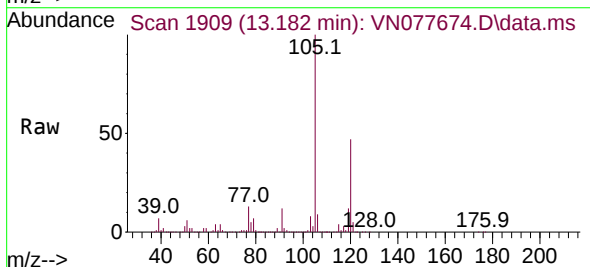
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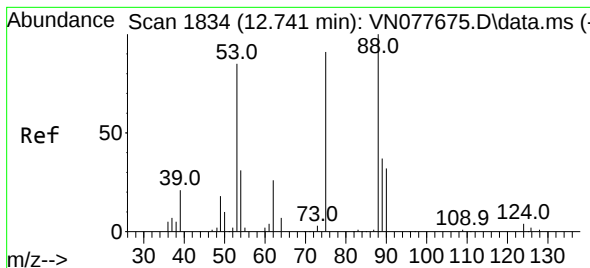
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#80
1,3,5-Trimethylbenzene
Concen: 101.464 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

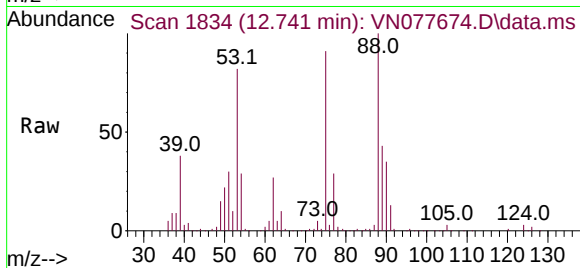
Tgt Ion:105 Resp: 2341771
Ion Ratio Lower Upper
105 100
120 46.8 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 117.887 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

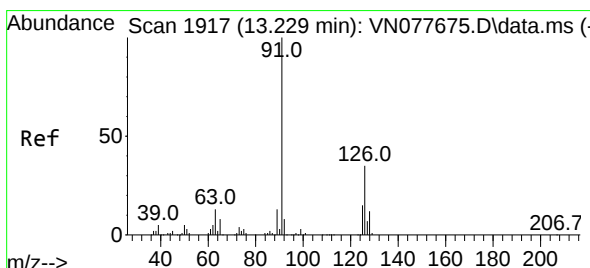
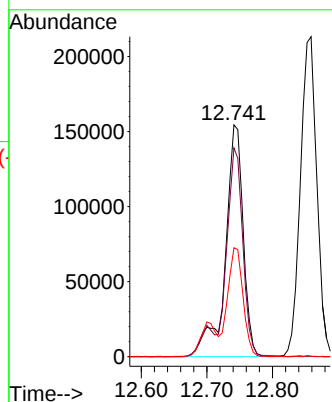
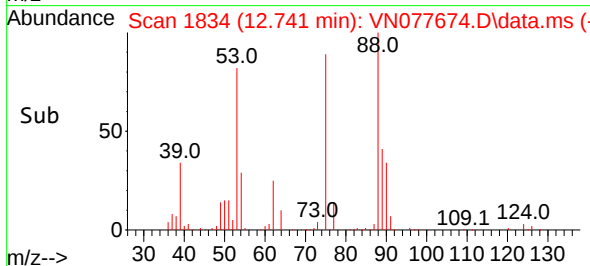
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



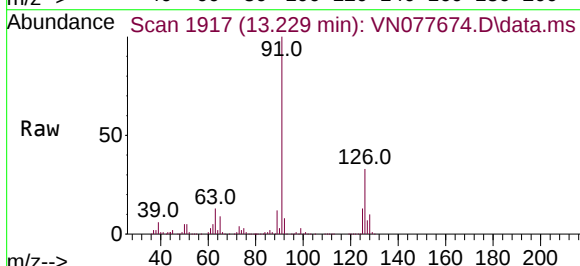
Tgt Ion: 75 Resp: 29423
Ion Ratio Lower Upper
75 100
53 78.9 67.4 101.2
89 40.4 38.8 58.2

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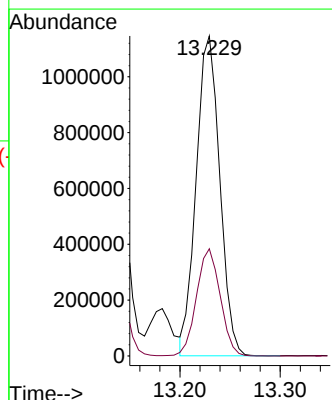
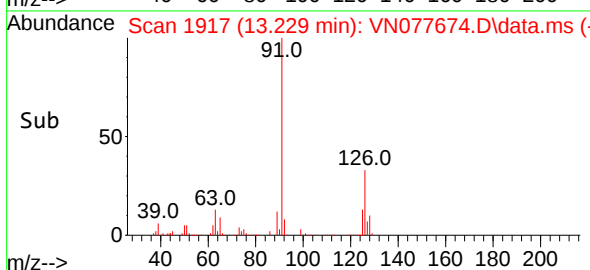
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

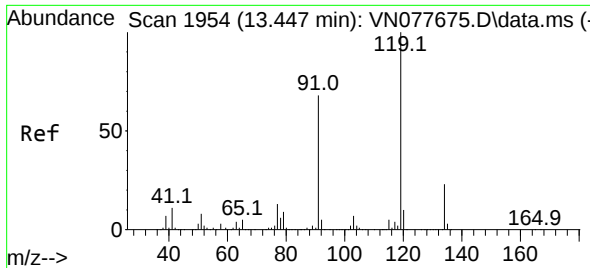


#82
4-Chlorotoluene
Concen: 97.546 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



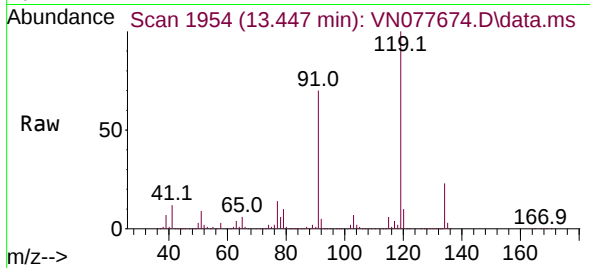
Tgt Ion: 91 Resp: 1874936
Ion Ratio Lower Upper
91 100
126 33.7 16.7 50.0





#83
tert-Butylbenzene
Concen: 99.097 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

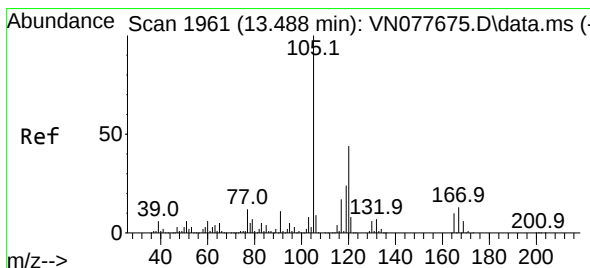
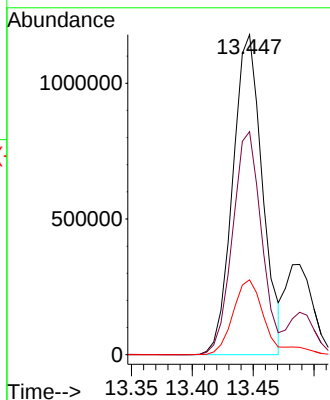
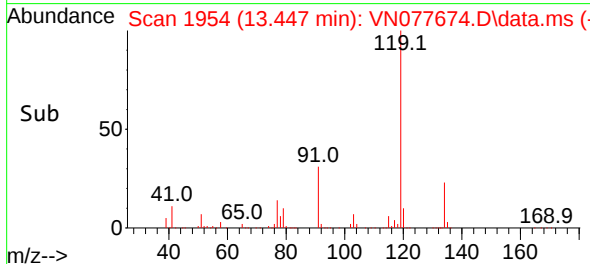
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



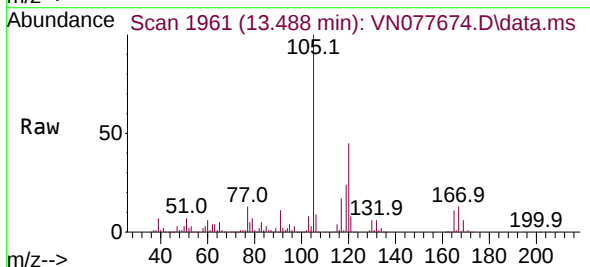
Tgt Ion:119 Resp: 1996650
Ion Ratio Lower Upper
119 100
91 68.0 33.9 101.7
134 25.4 13.2 39.6

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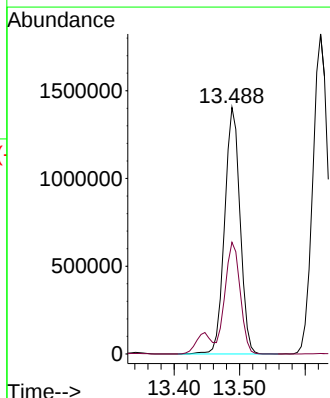
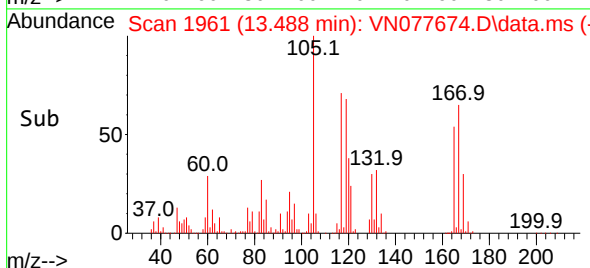
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

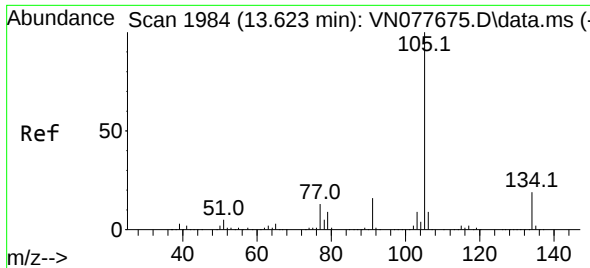


#84
1,2,4-Trimethylbenzene
Concen: 100.753 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13



Tgt Ion:105 Resp: 2286935
Ion Ratio Lower Upper
105 100
120 44.1 22.0 66.0





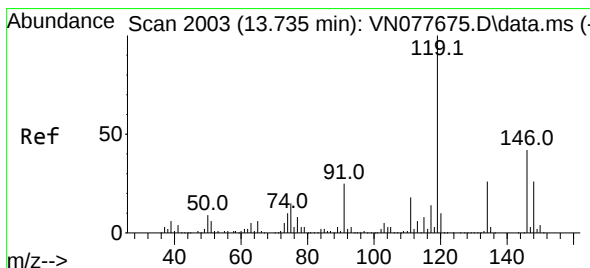
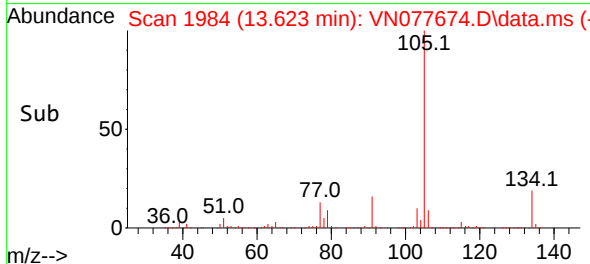
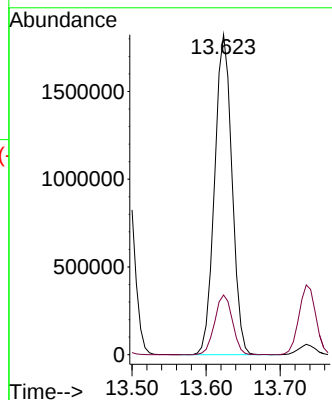
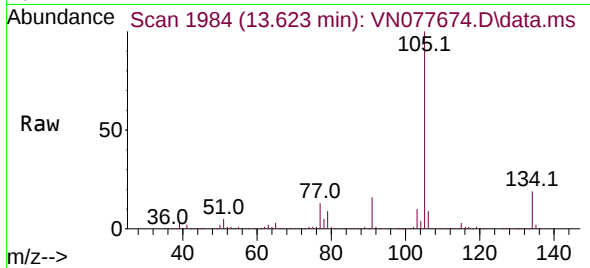
#85
 sec-Butylbenzene
 Concen: 103.444 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077674.D
 Acq: 15 May 2023 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 296206
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3

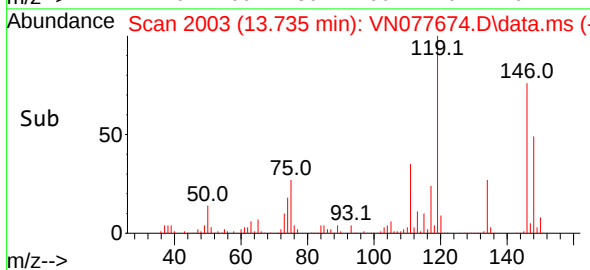
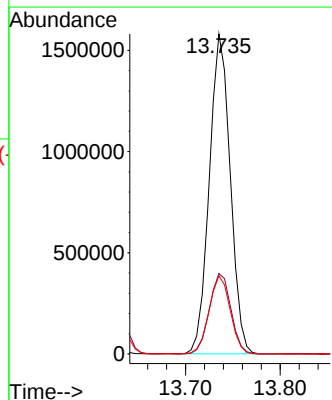
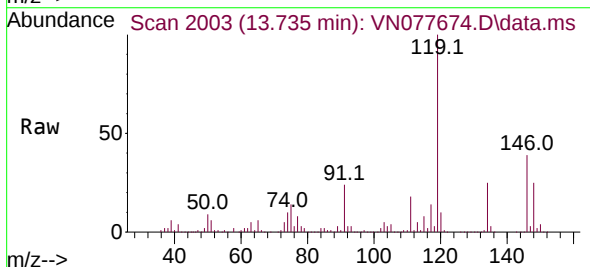
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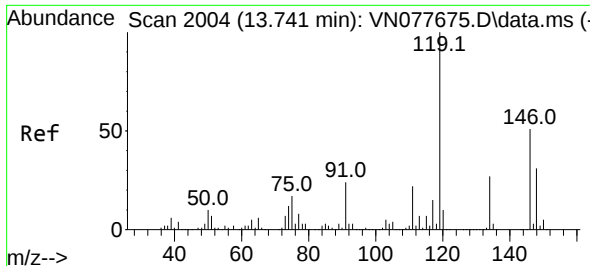
Reviewed By :John Carlone 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#86
 p-Isopropyltoluene
 Concen: 106.559 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077674.D
 Acq: 15 May 2023 17:13

Tgt Ion:119 Resp: 2432551
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.6 37.8
 91 24.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 97.030 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 112451

Ion Ratio Lower Upper

146 100

111 43.6 22.1 66.3

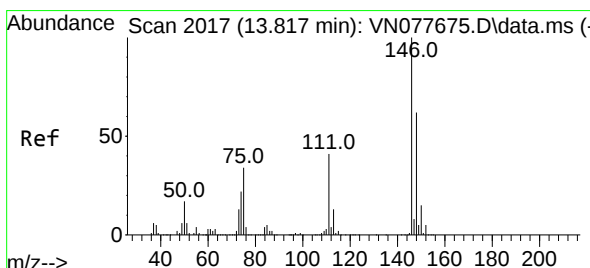
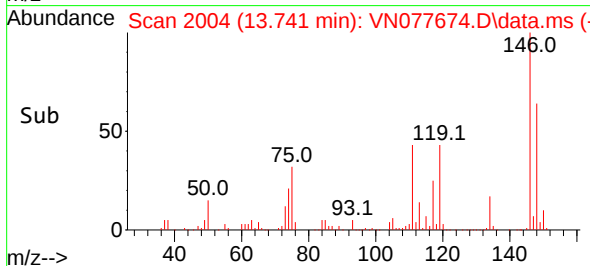
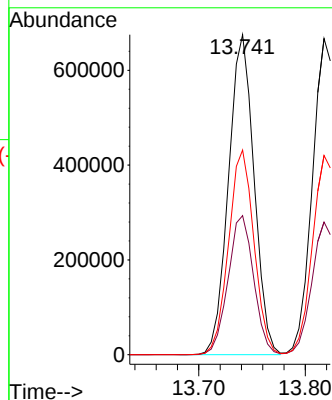
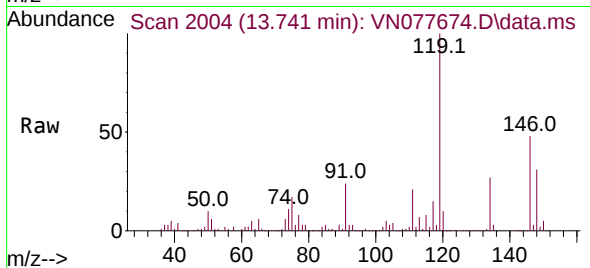
148 63.6 32.0 96.0

Manual Integrations

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Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#88

1,4-Dichlorobenzene

Concen: 97.083 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

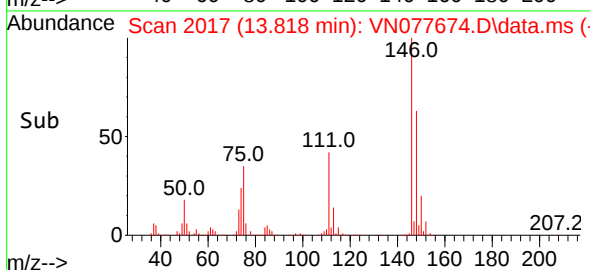
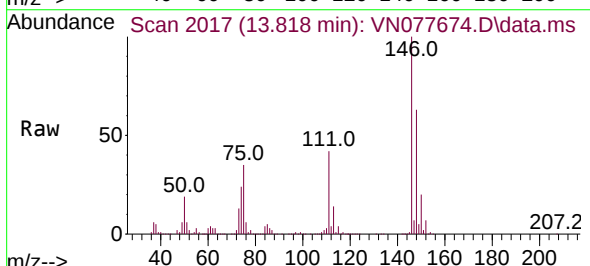
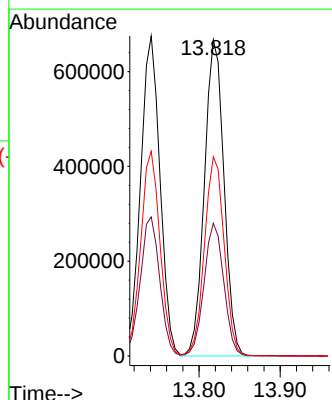
Tgt Ion:146 Resp: 1116499

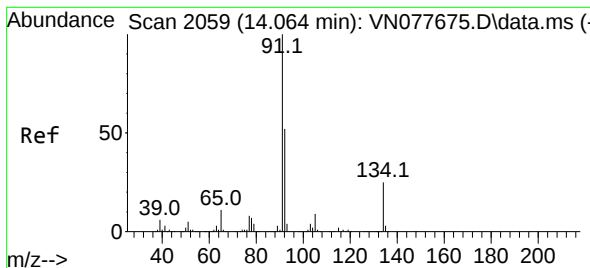
Ion Ratio Lower Upper

146 100

111 42.1 20.6 61.8

148 63.4 31.6 94.8





#89

n-Butylbenzene

Concen: 106.386 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 2233779

Ion Ratio Lower Upper

91 100

92 51.4 26.4 79.0

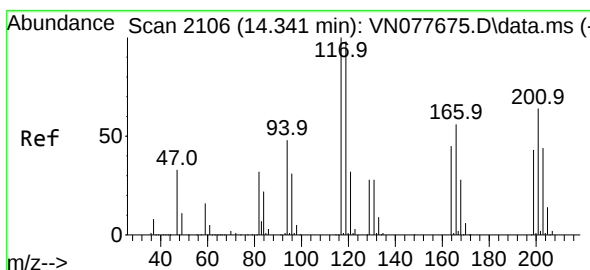
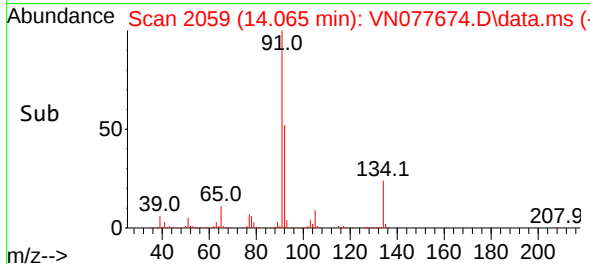
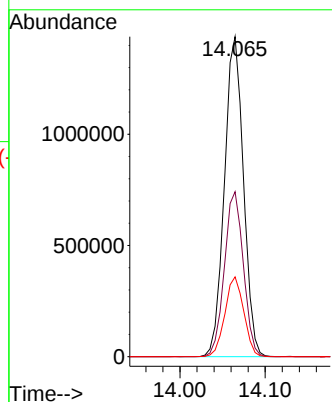
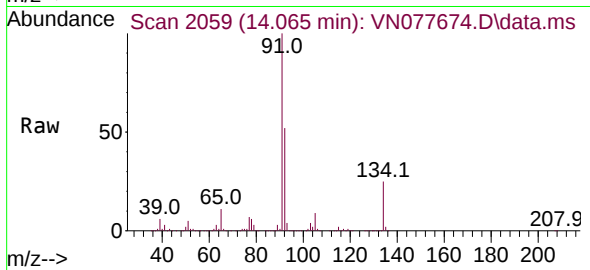
134 24.7 12.6 37.6

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Reviewed By :John Carlone 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#90

Hexachloroethane

Concen: 112.549 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.000 min

Lab File: VN077674.D

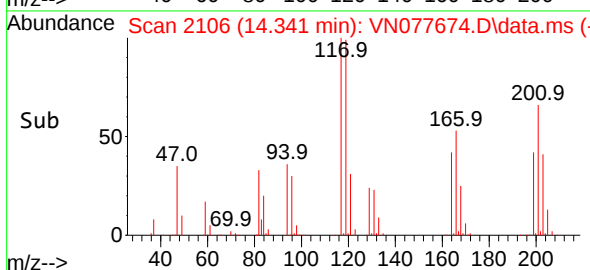
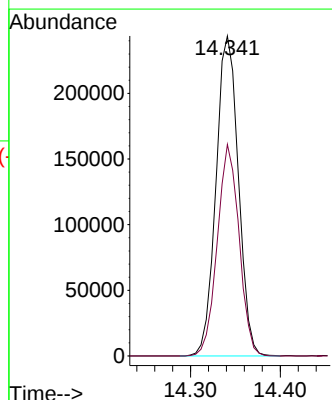
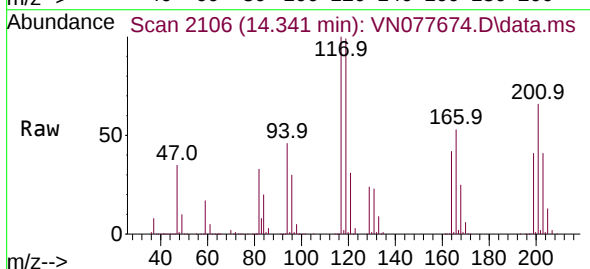
Acq: 15 May 2023 17:13

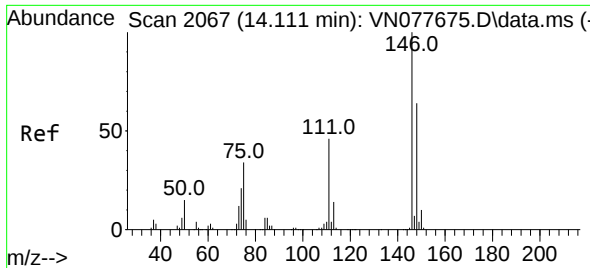
Tgt Ion:117 Resp: 422081

Ion Ratio Lower Upper

117 100

201 64.2 29.3 88.0





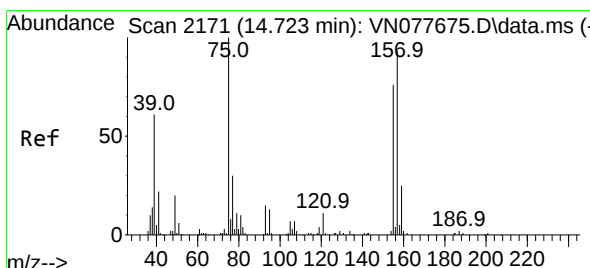
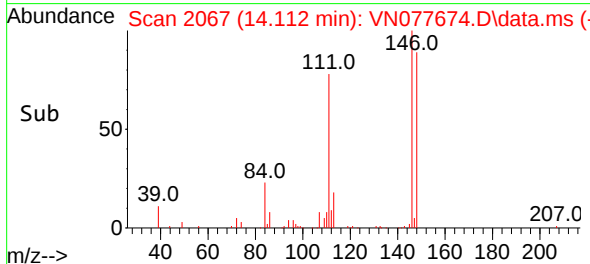
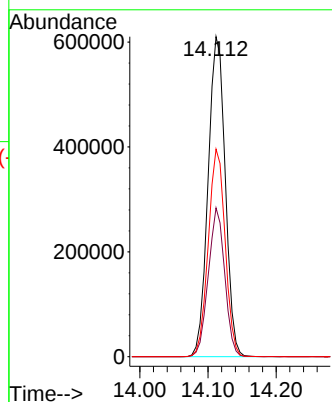
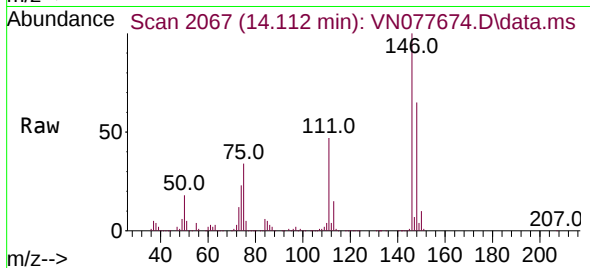
#91
1,2-Dichlorobenzene
Concen: 98.735 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.001 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 106898
Ion Ratio Lower Upper
146 100
111 44.5 22.0 66.0
148 63.7 31.8 95.3

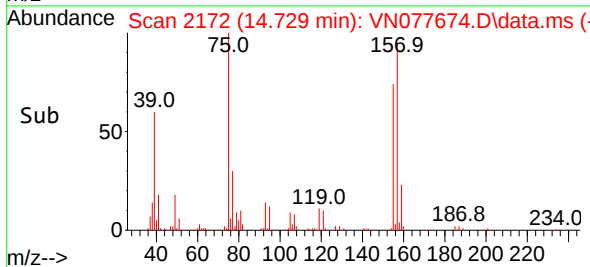
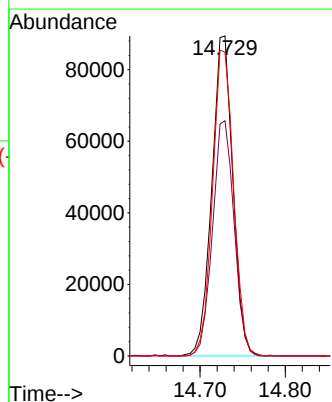
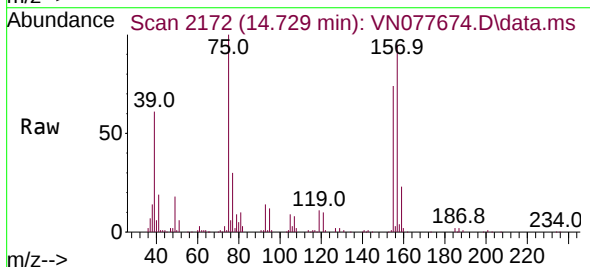
Manual Integrations
APPROVED

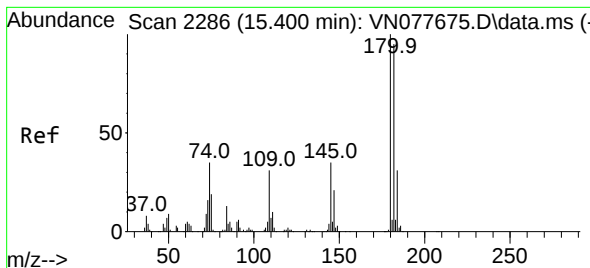
Reviewed By :John Carlone 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 93.885 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion: 75 Resp: 153554
Ion Ratio Lower Upper
75 100
155 75.1 39.1 117.2
157 95.5 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 99.767 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 63121

Ion Ratio Lower Upper

180 100

182 94.9 46.1 138.2

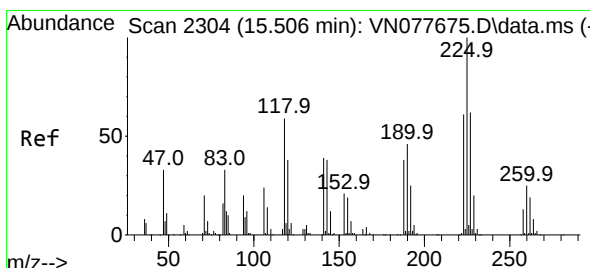
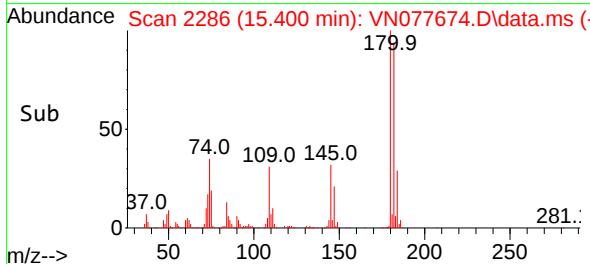
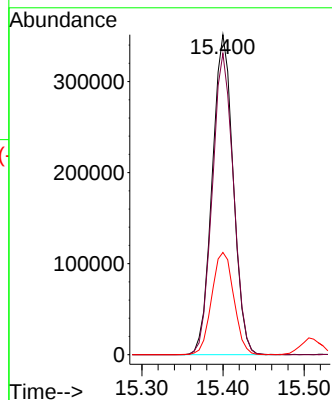
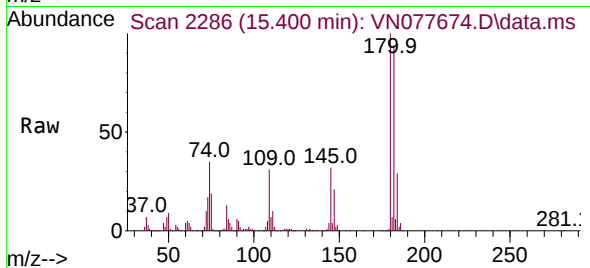
145 33.6 16.6 49.8

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#94

Hexachlorobutadiene

Concen: 104.928 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN077674.D

Acq: 15 May 2023 17:13

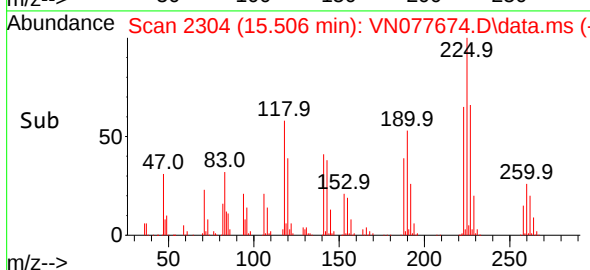
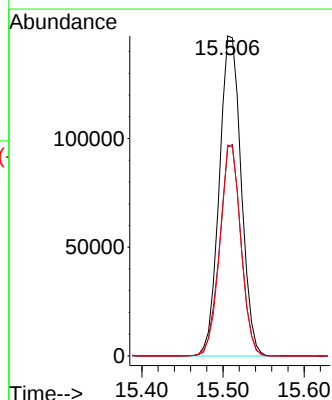
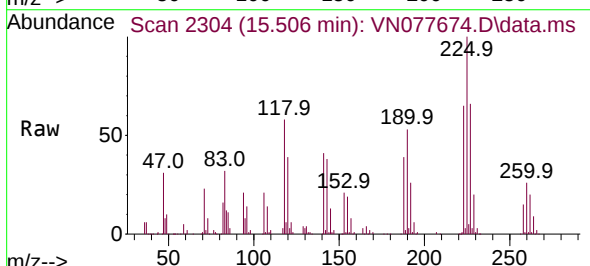
Tgt Ion:225 Resp: 275639

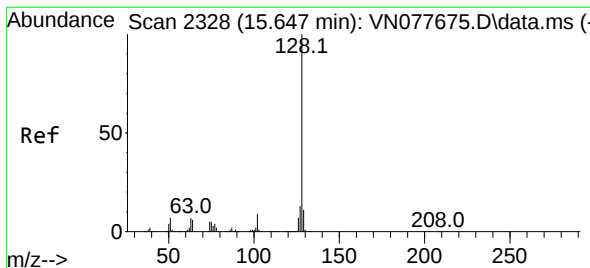
Ion Ratio Lower Upper

225 100

223 63.8 31.3 93.8

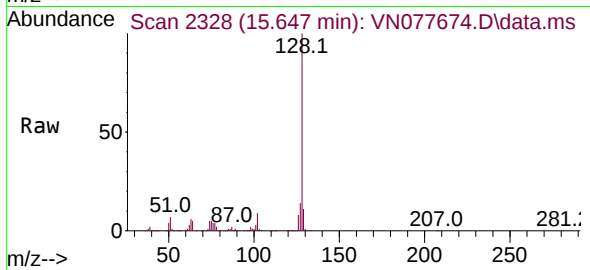
227 63.1 31.9 95.9





#95
Naphthalene
Concen: 90.661 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

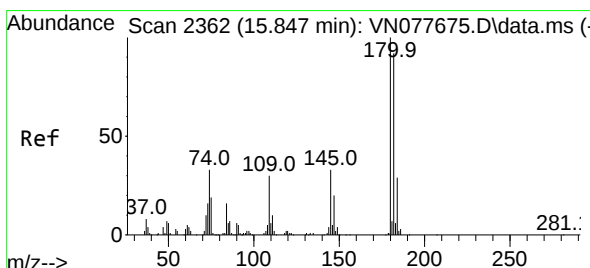
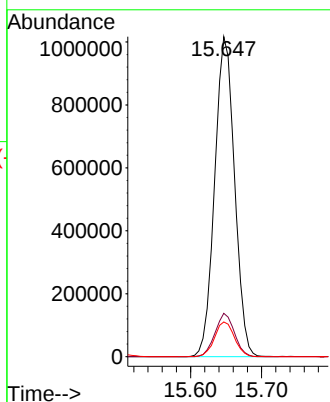
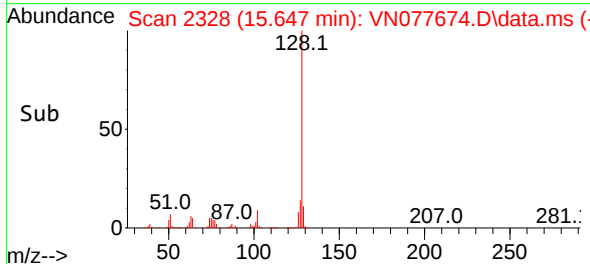
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 1974350
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 10.9 8.7 13.1

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Supervised By :Mahesh Dadoda 05/16/2023



#96
1,2,3-Trichlorobenzene
Concen: 96.240 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN077674.D
Acq: 15 May 2023 17:13

Tgt Ion:180 Resp: 596178
Ion Ratio Lower Upper
180 100
182 96.2 46.2 138.6
145 36.1 17.5 52.6

