

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077034.D
 Acq On : 17 Mar 2023 14:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 18 02:28:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	343061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	639017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	580540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	260117	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	269716	49.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.440%
35) Dibromofluoromethane	8.172	113	201767	45.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.180%
50) Toluene-d8	10.572	98	731434	45.755	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.520%
62) 4-Bromofluorobenzene	12.854	95	273621	48.439	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	145933	44.908	ug/l	97
3) Chloromethane	2.378	50	139159	40.260	ug/l	97
4) Vinyl Chloride	2.525	62	161461	43.276	ug/l	97
5) Bromomethane	2.954	94	121907	48.374	ug/l	95
6) Chloroethane	3.131	64	122536	51.904	ug/l	96
7) Trichlorofluoromethane	3.507	101	352328	43.897	ug/l	100
8) Diethyl Ether	3.972	74	156665	51.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.378	101	196553	43.171	ug/l	99
10) Methyl Iodide	4.601	142	253610	49.455	ug/l	96
11) Tert butyl alcohol	5.531	59	223749	280.211	ug/l	100
12) 1,1-Dichloroethene	4.354	96	186283	44.726	ug/l	92
13) Acrolein	4.190	56	259122	262.366	ug/l	99
14) Allyl chloride	5.037	41	412543	54.104	ug/l	94
15) Acrylonitrile	5.731	53	702875	261.837	ug/l	99
16) Acetone	4.437	43	579172	237.203	ug/l	100
17) Carbon Disulfide	4.725	76	536134	44.145	ug/l	97
18) Methyl Acetate	5.037	43	476791	51.784	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	790649	52.893	ug/l	99
20) Methylene Chloride	5.290	84	255290	48.176	ug/l	100
21) trans-1,2-Dichloroethene	5.801	96	212415	47.053	ug/l	97
22) Diisopropyl ether	6.678	45	890584	53.309	ug/l	99
23) Vinyl Acetate	6.613	43	2880881	273.271	ug/l	100
24) 1,1-Dichloroethane	6.578	63	464290	48.567	ug/l	99
25) 2-Butanone	7.489	43	947146	265.172	ug/l	100
26) 2,2-Dichloropropane	7.495	77	341049	47.414	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	264688	51.193	ug/l	99
28) Bromochloromethane	7.819	49	178537	43.005	ug/l	98
29) Tetrahydrofuran	7.842	42	642594	277.631	ug/l	99
30) Chloroform	7.972	83	455121	49.051	ug/l	98
31) Cyclohexane	8.266	56	389681	43.463	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	369638	46.611	ug/l	99
36) 1,1-Dichloropropene	8.378	75	320468	45.848	ug/l	99
37) Ethyl Acetate	7.566	43	374412	50.065	ug/l	99
38) Carbon Tetrachloride	8.372	117	306890	45.076	ug/l	96
39) Methylcyclohexane	9.607	83	386404	47.229	ug/l	99
40) Benzene	8.613	78	1007427	47.524	ug/l	99

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 Quant Title : SW846 8260
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Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/20/2023
 Supervised By :Mahesh Dadoda 03/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	200310	50.848	ug/l	93
42) 1,2-Dichloroethane	8.678	62	377758	49.315	ug/l	100
43) Isopropyl Acetate	8.695	43	608598	52.094	ug/l	100
44) Trichloroethene	9.354	130	217758	44.722	ug/l	93
45) 1,2-Dichloropropane	9.625	63	276885	49.179	ug/l	98
46) Dibromomethane	9.713	93	172400	48.553	ug/l	98
47) Bromodichloromethane	9.889	83	358177	48.096	ug/l	99
48) Methyl methacrylate	9.683	41	304735	54.562	ug/l	100
49) 1,4-Dioxane	9.695	88	104338	1093.773	ug/l	100
51) 4-Methyl-2-Pentanone	10.448	43	1926175	264.763	ug/l	100
52) Toluene	10.636	92	615747	48.649	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	393621	53.928	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	429204	52.117	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	246723	49.433	ug/l	99
56) Ethyl methacrylate	10.877	69	417391	55.614	ug/l	100
57) 1,3-Dichloropropane	11.166	76	452762	49.548	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.166	63	896148	280.079	ug/l	100
59) 2-Hexanone	11.201	43	1400585	265.427	ug/l	98
60) Dibromochloromethane	11.360	129	256734	51.208	ug/l	99
61) 1,2-Dibromoethane	11.472	107	247820	50.071	ug/l	99
64) Tetrachloroethene	11.107	164	171896	44.119	ug/l	98
65) Chlorobenzene	11.895	112	618952	46.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	231308	46.799	ug/l	99
67) Ethyl Benzene	11.966	91	1169510	48.202	ug/l	98
68) m/p-Xylenes	12.071	106	876072	97.362	ug/l	100
69) o-Xylene	12.401	106	432067	48.326	ug/l	98
70) Styrene	12.413	104	727957	52.297	ug/l	100
71) Bromoform	12.577	173	171470	51.197	ug/l #	99
73) Isopropylbenzene	12.701	105	1109859	47.611	ug/l	100
74) N-amyl acetate	12.495	43	538544	53.375	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.942	83	378846	44.859	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	305261m	45.370	ug/l	
77) Bromobenzene	12.983	156	243917	46.710	ug/l	99
78) n-propylbenzene	13.042	91	1329095	49.391	ug/l	100
79) 2-Chlorotoluene	13.130	91	814728	47.515	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	969545	49.816	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	122818	50.245	ug/l	98
82) 4-Chlorotoluene	13.224	91	797822	48.930	ug/l	100
83) tert-Butylbenzene	13.442	119	784809	48.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	969455	49.915	ug/l	99
85) sec-Butylbenzene	13.618	105	1154134	49.651	ug/l	100
86) p-Isopropyltoluene	13.736	119	955689	51.197	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	461822	46.793	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	449974	45.825	ug/l	99
89) n-Butylbenzene	14.060	91	841053	51.359	ug/l	100
90) Hexachloroethane	14.336	117	172019	45.325	ug/l	98
91) 1,2-Dichlorobenzene	14.113	146	455101	46.261	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	76834	49.099	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	234351	52.696	ug/l	99
94) Hexachlorobutadiene	15.507	225	113266	46.247	ug/l	100
95) Naphthalene	15.648	128	814160	47.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	236063	52.901	ug/l	98

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ClientSampleId :
VSTDCCC050

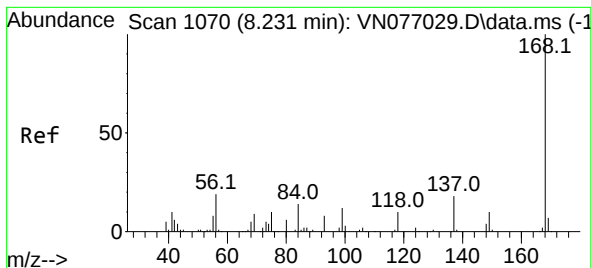
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 18 02:17:37 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: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

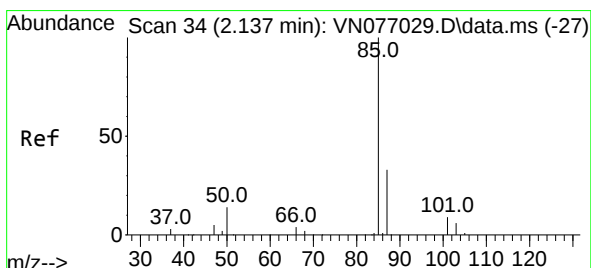
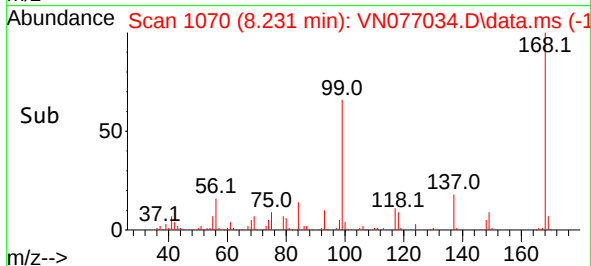
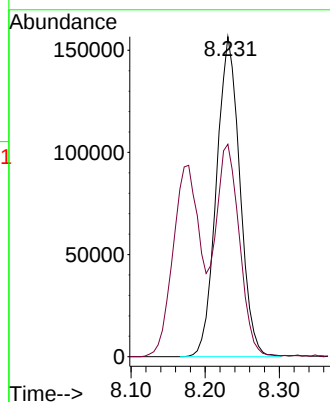
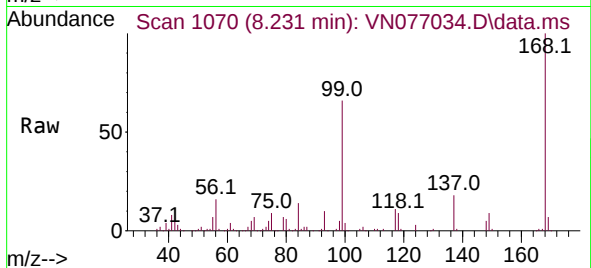
Tgt Ion:168 Resp: 34306
Ion Ratio Lower Upper
168 100
99 66.1 53.9 80.9

Manual Integrations

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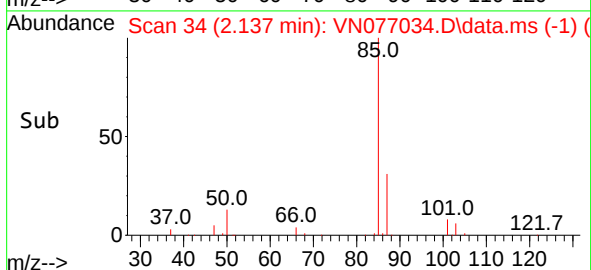
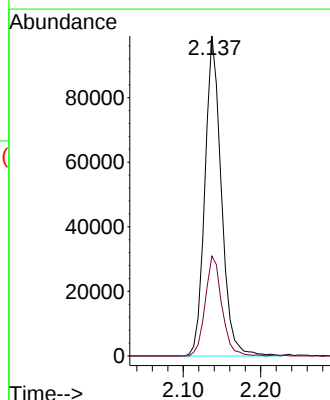
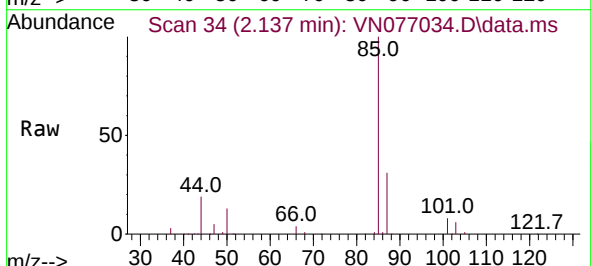
Reviewed By :John Carlone 03/20/2023

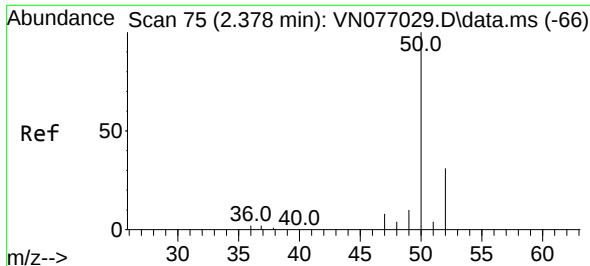
Supervised By :Mahesh Dadoda 03/20/2023



#2
Dichlorodifluoromethane
Concen: 44.908 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

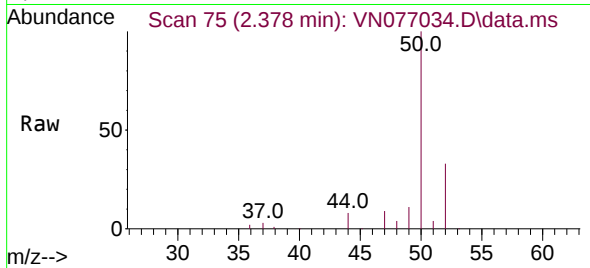
Tgt Ion: 85 Resp: 145933
Ion Ratio Lower Upper
85 100
87 31.2 16.4 49.2





#3
Chloromethane
Concen: 40.260 ug/l
RT: 2.378 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

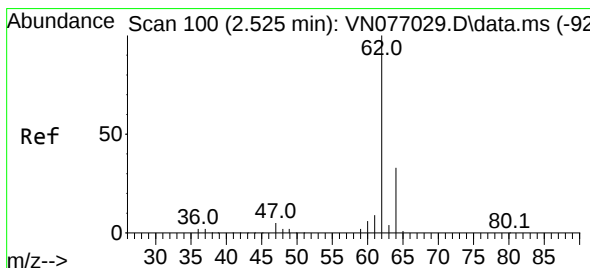
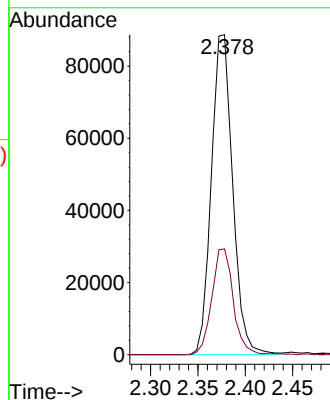
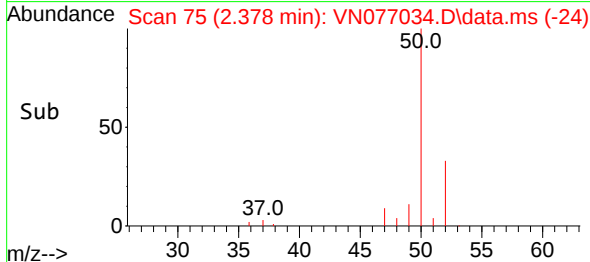
Instrument :
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VSTDCCC050



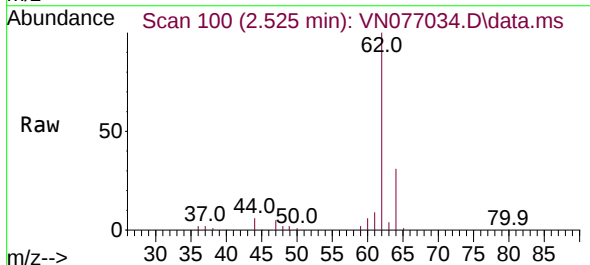
Tgt Ion: 50 Resp: 139159
Ion Ratio Lower Upper
50 100
52 33.1 25.1 37.7

Manual Integrations
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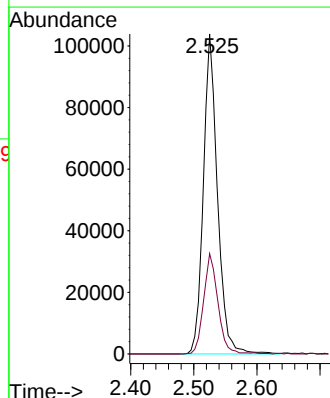
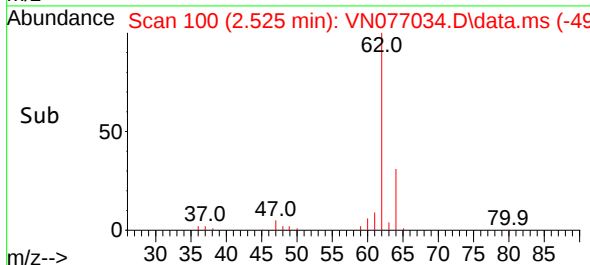
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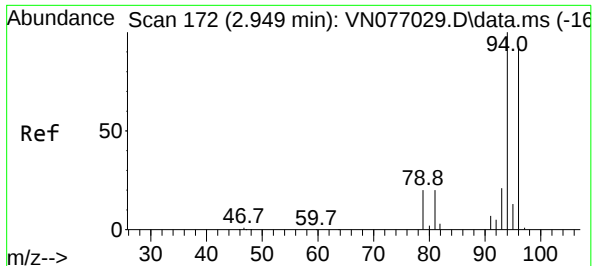


#4
Vinyl Chloride
Concen: 43.276 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



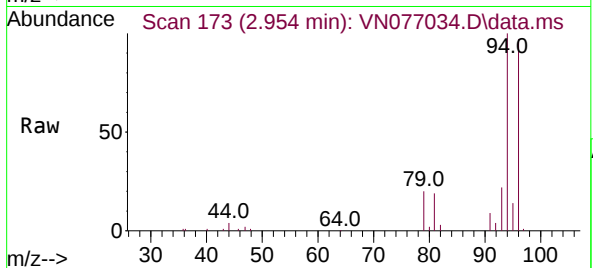
Tgt Ion: 62 Resp: 161461
Ion Ratio Lower Upper
62 100
64 31.3 26.6 40.0





#5
Bromomethane
Concen: 48.374 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

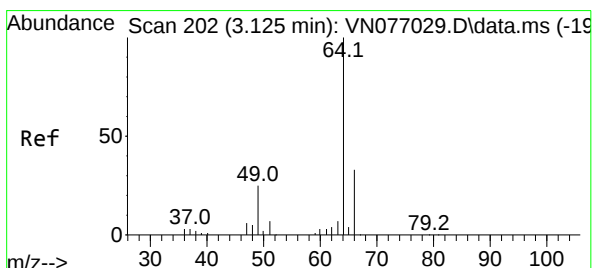
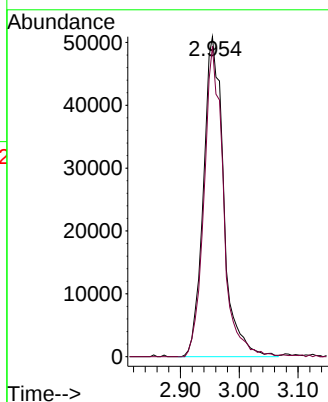
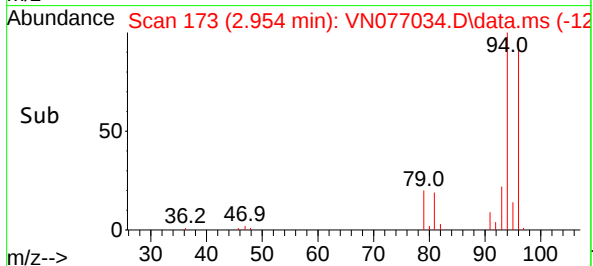
Instrument :
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Tgt Ion: 94 Resp: 121907
Ion Ratio Lower Upper
94 100
96 97.0 74.1 111.1

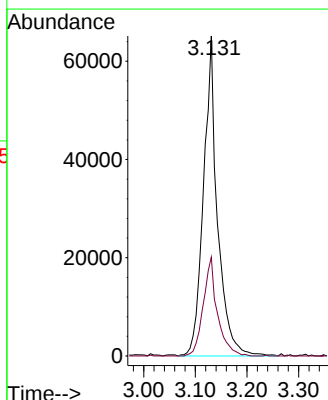
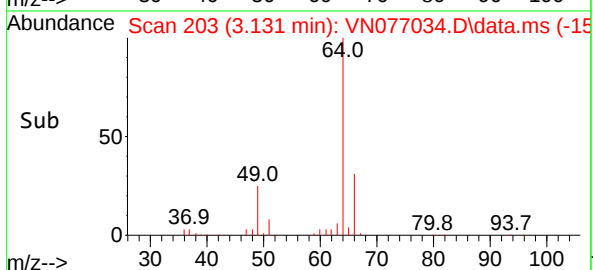
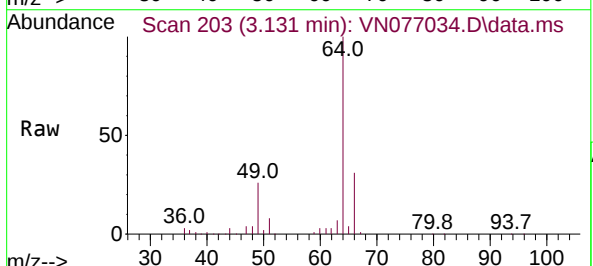
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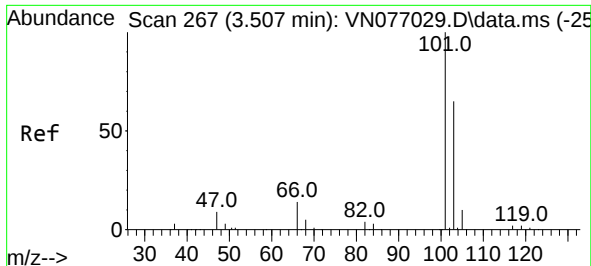
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#6
Chloroethane
Concen: 51.904 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

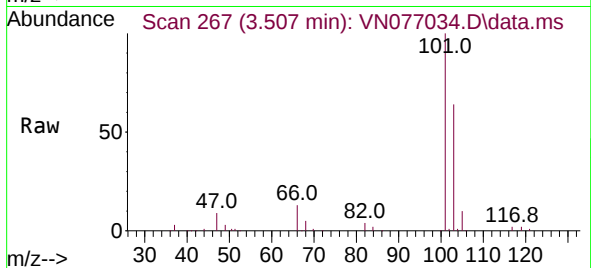
Tgt Ion: 64 Resp: 122536
Ion Ratio Lower Upper
64 100
66 30.9 26.3 39.5





#7
 Trichlorofluoromethane
 Concen: 43.897 ug/l
 RT: 3.507 min Scan# 267
 Delta R.T. 0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32

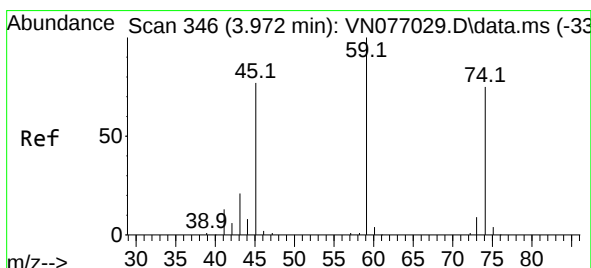
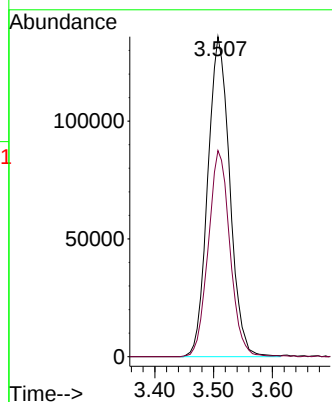
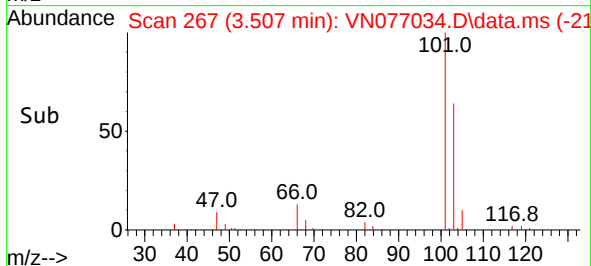
Instrument :
 MSVOA_N
 ClientSampleId :
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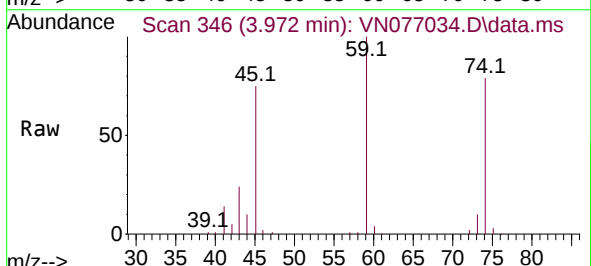
Tgt Ion:101 Resp: 352328
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.6

Manual Integrations
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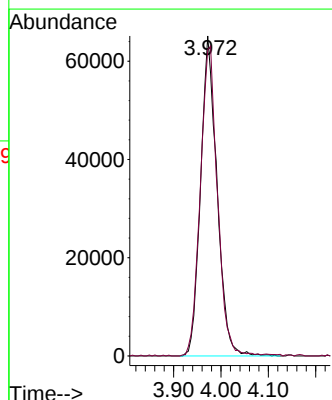
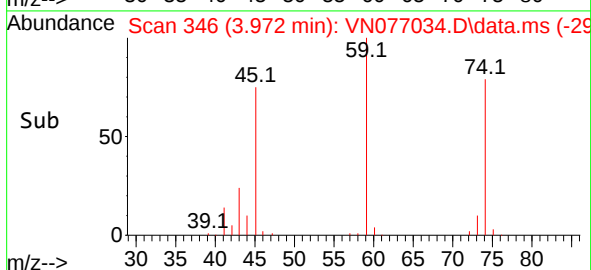
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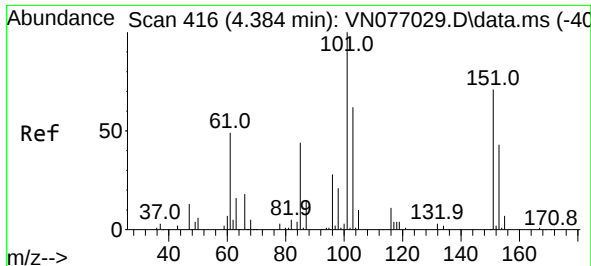


#8
 Diethyl Ether
 Concen: 51.864 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32



Tgt Ion: 74 Resp: 156665
 Ion Ratio Lower Upper
 74 100
 45 101.3 50.8 152.5





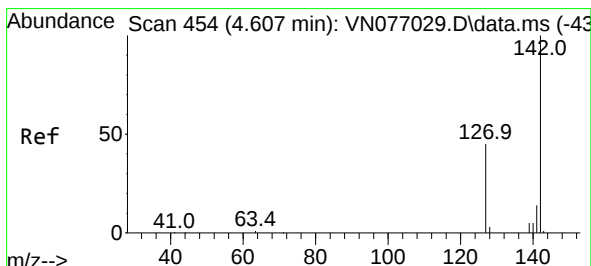
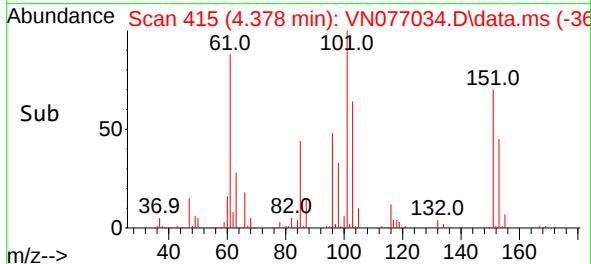
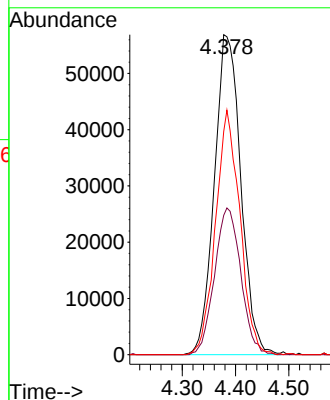
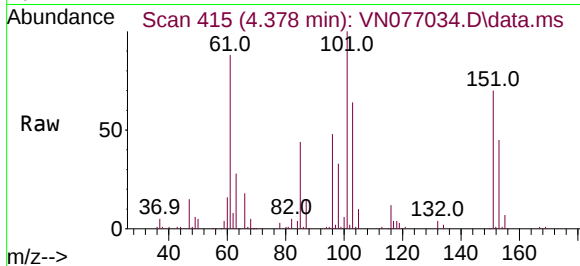
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.171 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 19655
Ion Ratio Lower Upper
101 100
85 45.5 36.6 55.0
151 70.2 56.9 85.3

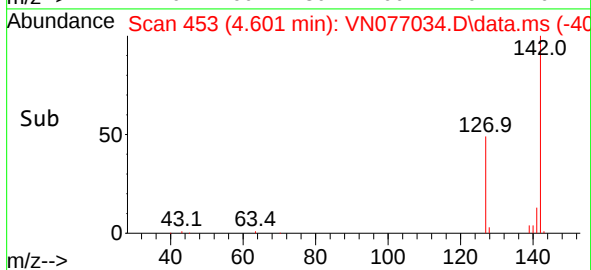
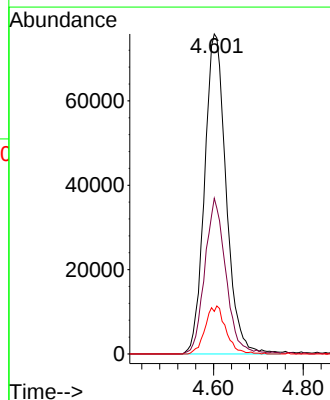
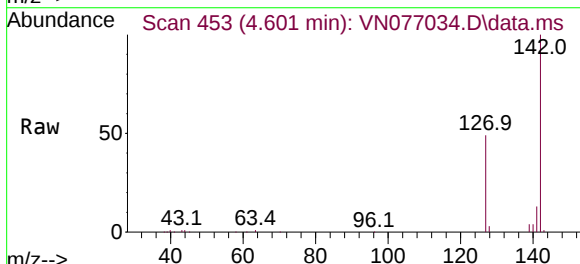
Manual Integrations
APPROVED

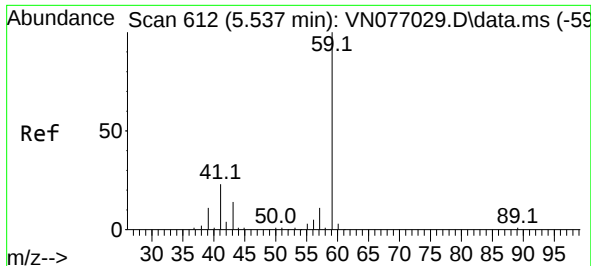
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#10
Methyl Iodide
Concen: 49.455 ug/l
RT: 4.601 min Scan# 453
Delta R.T. -0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Tgt Ion:142 Resp: 253610
Ion Ratio Lower Upper
142 100
127 48.6 36.1 54.1
141 13.3 10.8 16.2





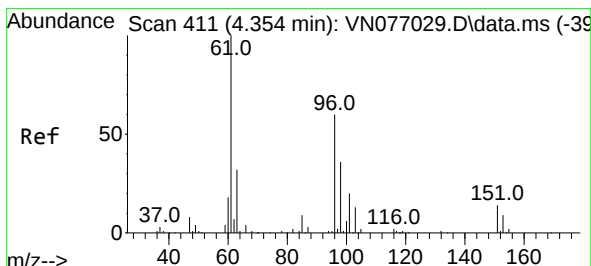
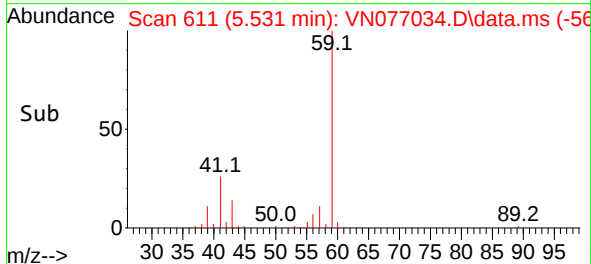
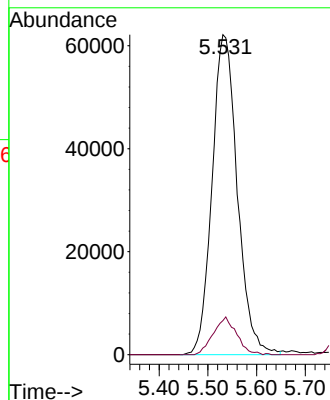
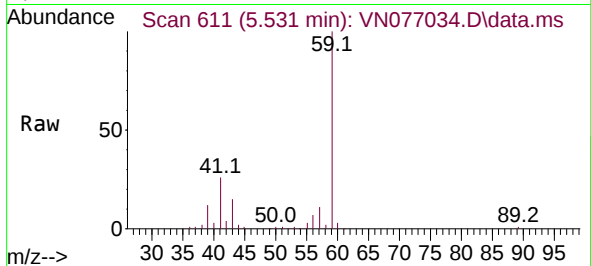
#11
Tert butyl alcohol
Concen: 280.211 ug/l
RT: 5.531 min Scan# 612
Delta R.T. -0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 223749
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

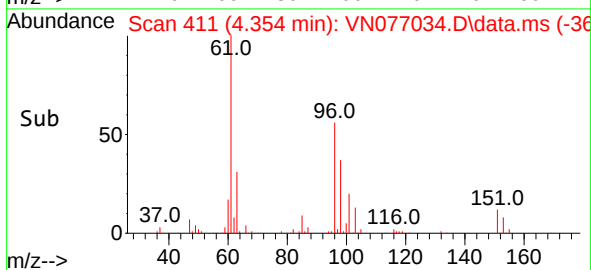
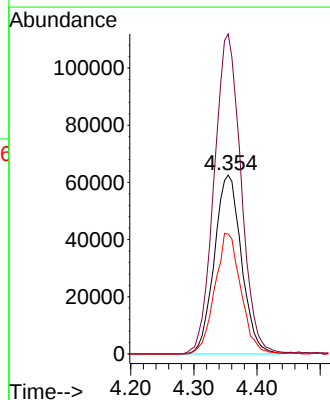
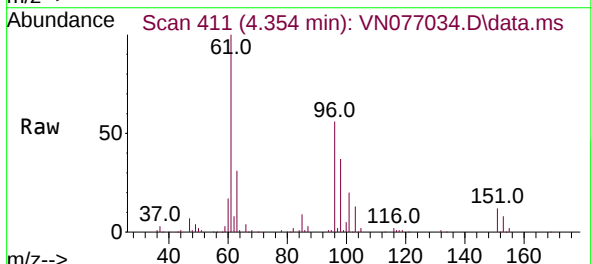
Manual Integrations
APPROVED

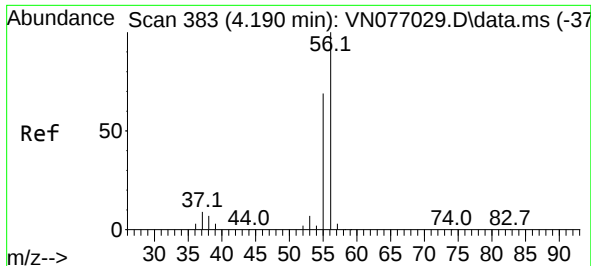
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#12
1,1-Dichloroethene
Concen: 44.726 ug/l
RT: 4.354 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

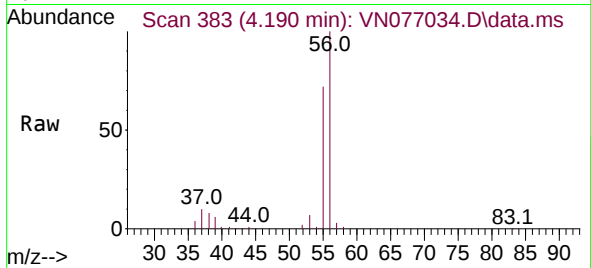
Tgt Ion: 96 Resp: 186283
Ion Ratio Lower Upper
96 100
61 178.9 133.8 200.8
98 67.0 48.6 72.8





#13
Acrolein
Concen: 262.366 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

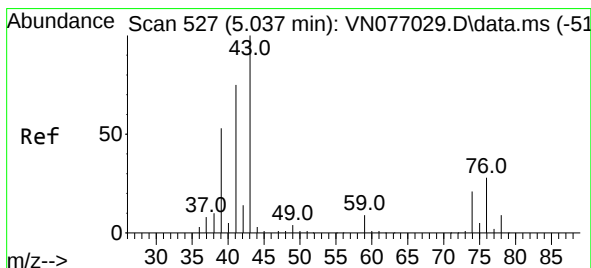
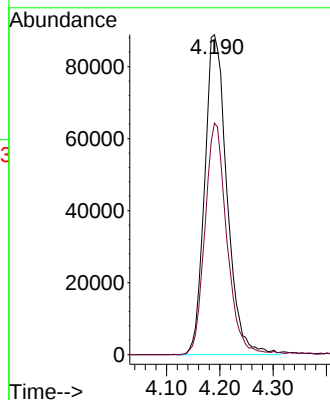
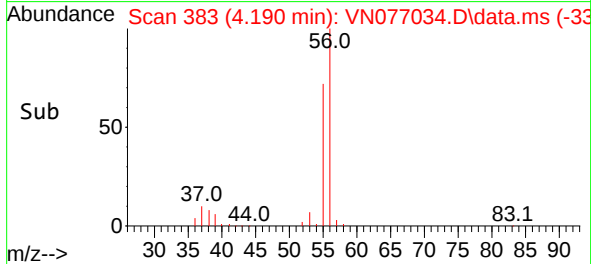
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



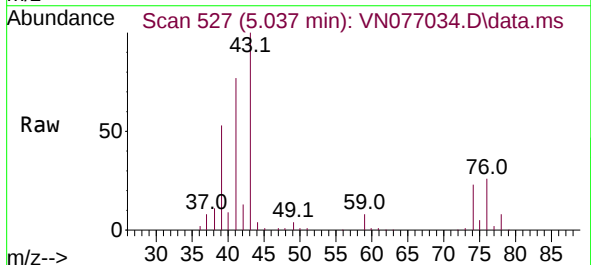
Tgt Ion: 56 Resp: 25912
Ion Ratio Lower Upper
56 100
55 70.8 57.0 85.6

Manual Integrations
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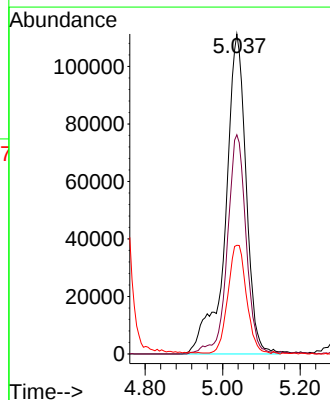
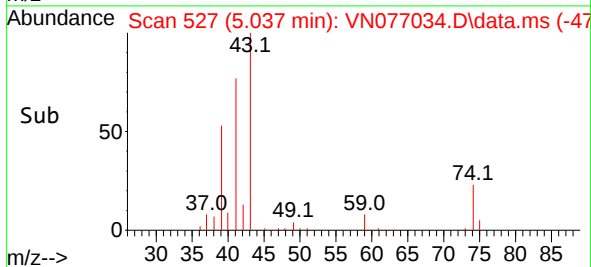
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

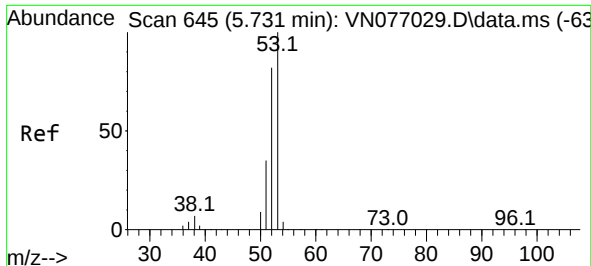


#14
Allyl chloride
Concen: 54.104 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



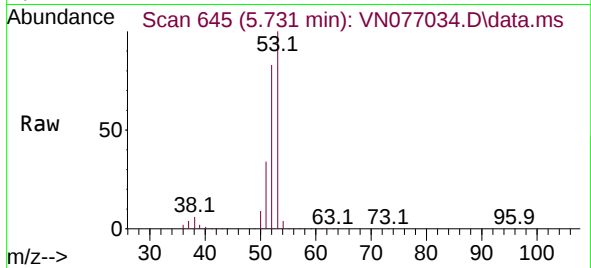
Tgt Ion: 41 Resp: 412543
Ion Ratio Lower Upper
41 100
39 62.1 53.8 80.8
76 30.4 26.7 40.1





#15
Acrylonitrile
Concen: 261.837 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

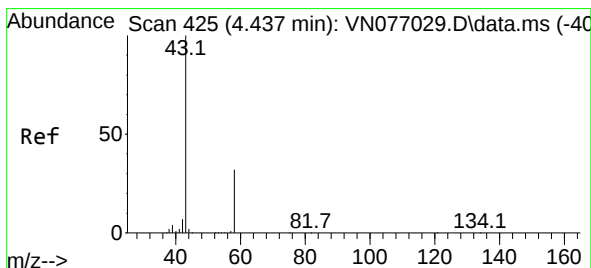
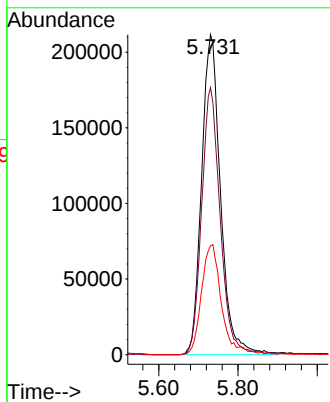
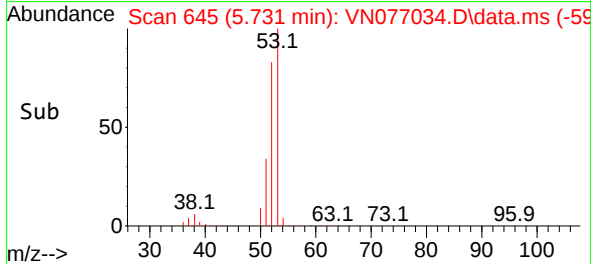
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



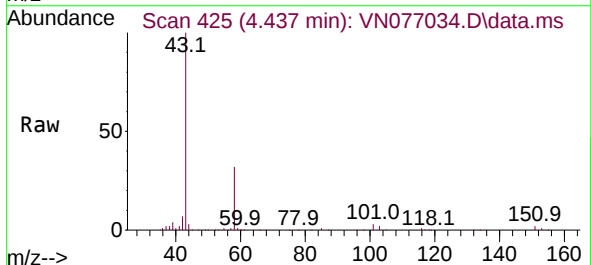
Tgt Ion: 53 Resp: 702875
Ion Ratio Lower Upper
53 100
52 81.6 64.6 97.0
51 36.3 28.3 42.5

Manual Integrations
APPROVED

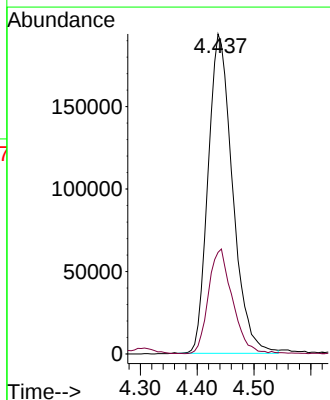
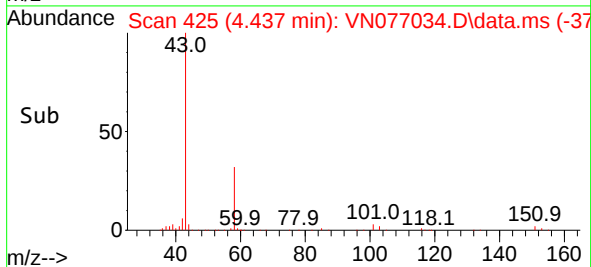
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

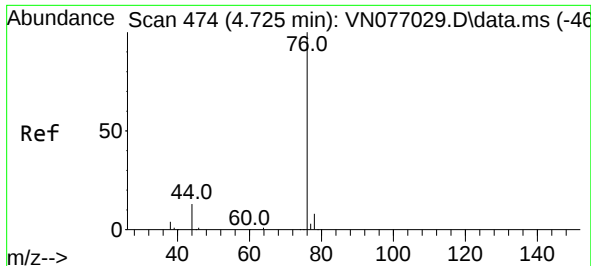


#16
Acetone
Concen: 237.203 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



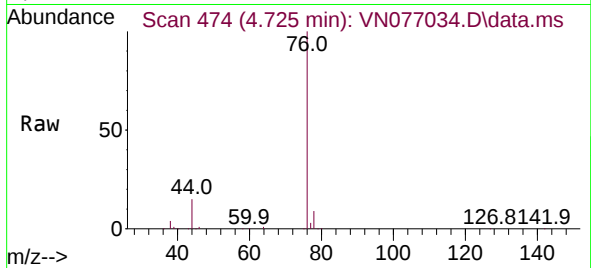
Tgt Ion: 43 Resp: 579172
Ion Ratio Lower Upper
43 100
58 31.7 25.4 38.0





#17
Carbon Disulfide
Concen: 44.145 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

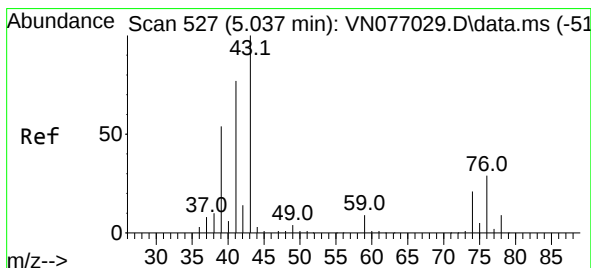
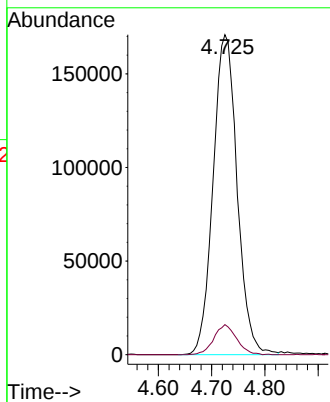
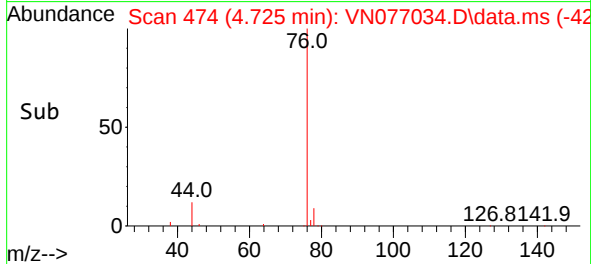
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



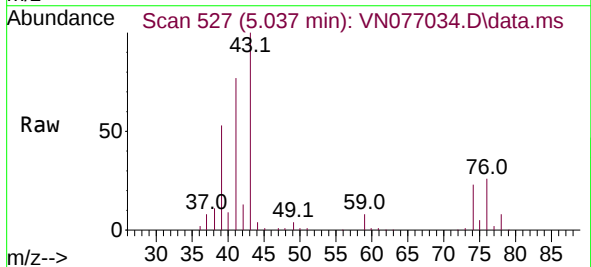
Tgt Ion: 76 Resp: 536134
Ion Ratio Lower Upper
76 100
78 9.4 6.6 10.0

Manual Integrations
APPROVED

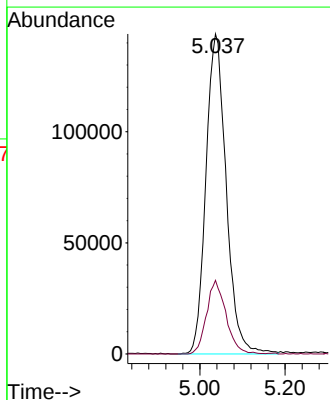
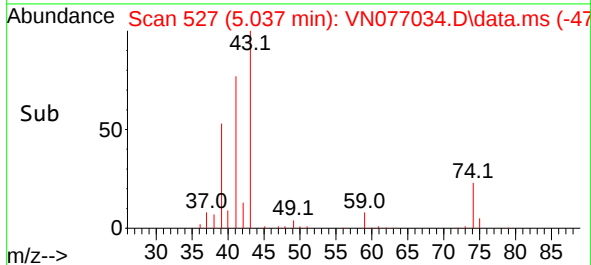
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

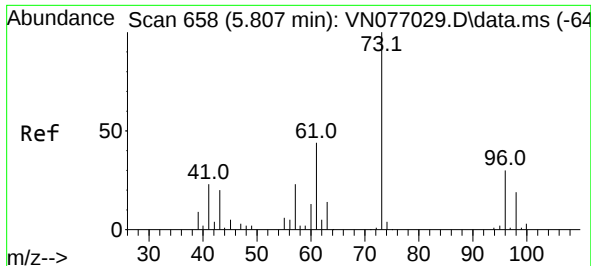


#18
Methyl Acetate
Concen: 51.784 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 43 Resp: 476791
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 52.893 ug/l

RT: 5.807 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 790649

Ion Ratio Lower Upper

73 100

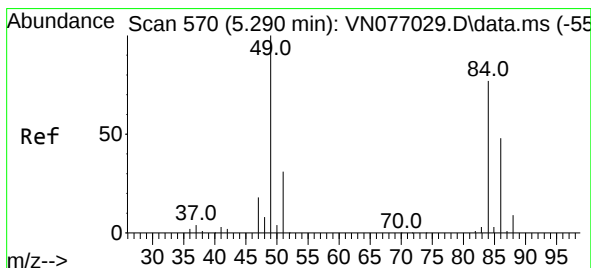
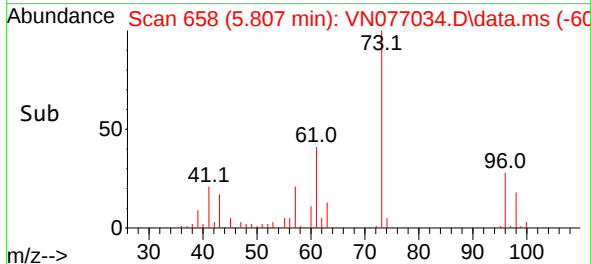
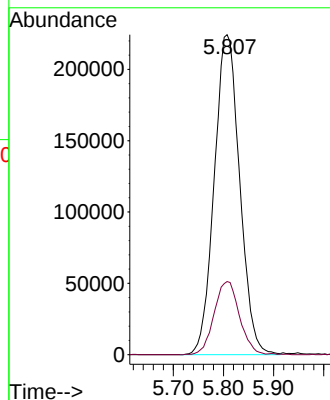
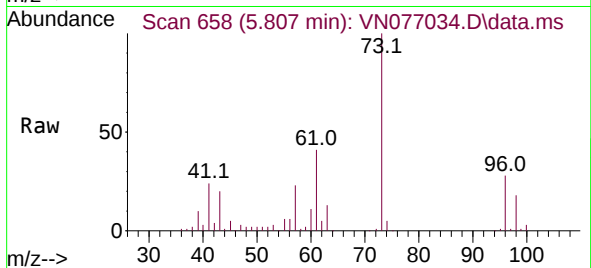
57 22.8 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#20

Methylene Chloride

Concen: 48.176 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Tgt Ion: 84 Resp: 255290

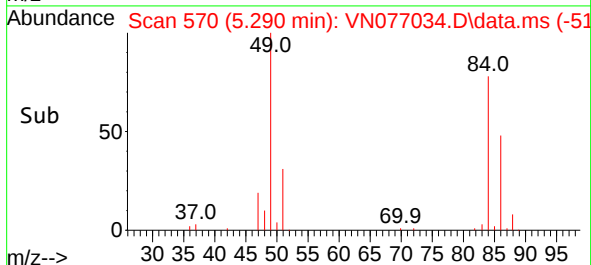
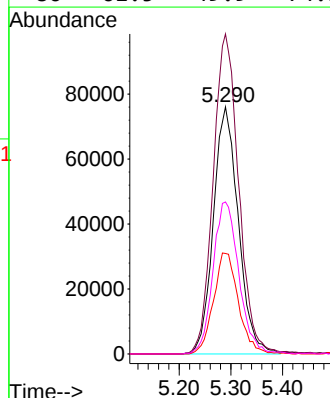
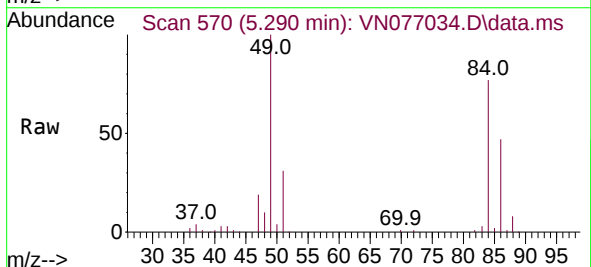
Ion Ratio Lower Upper

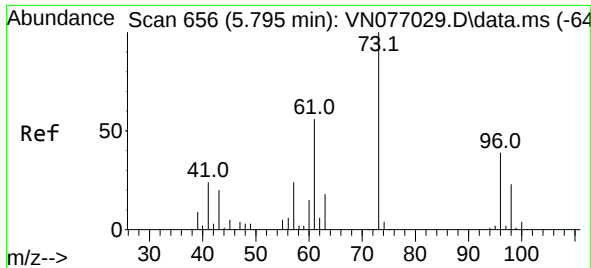
84 100

49 129.6 103.8 155.6

51 40.7 32.3 48.5

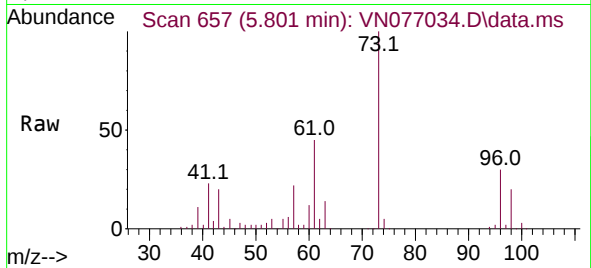
86 61.5 49.9 74.9





#21
trans-1,2-Dichloroethene
Concen: 47.053 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

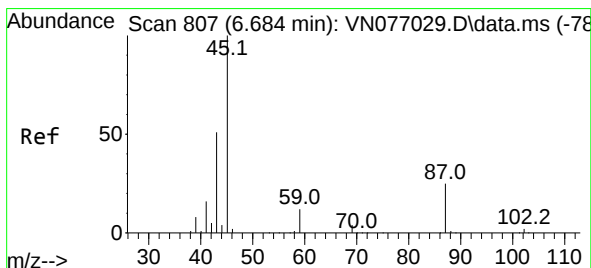
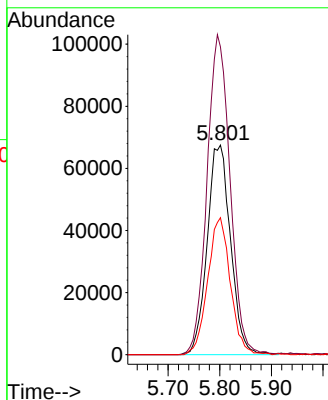
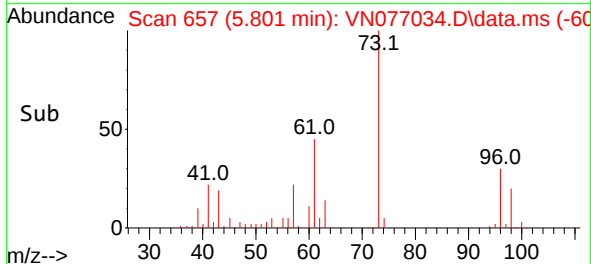
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



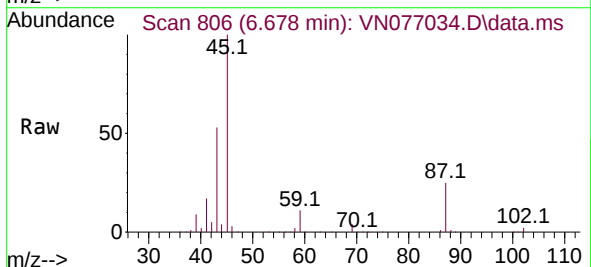
Tgt Ion: 96 Resp: 212415
Ion Ratio Lower Upper
96 100
61 146.9 115.8 173.6
98 65.4 48.2 72.2

Manual Integrations
APPROVED

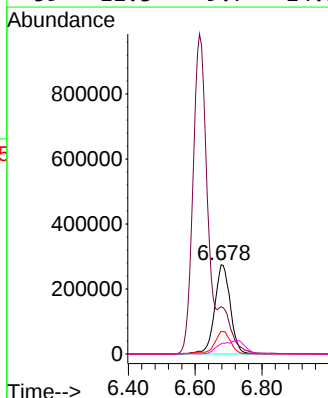
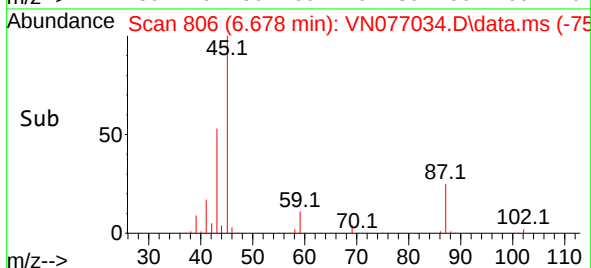
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

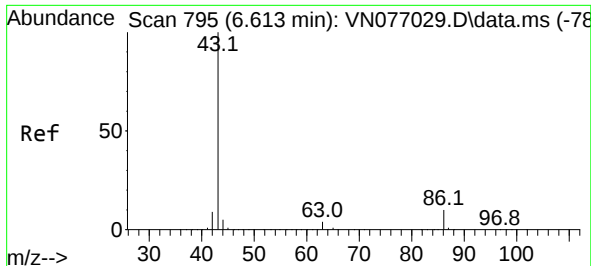


#22
Diisopropyl ether
Concen: 53.309 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



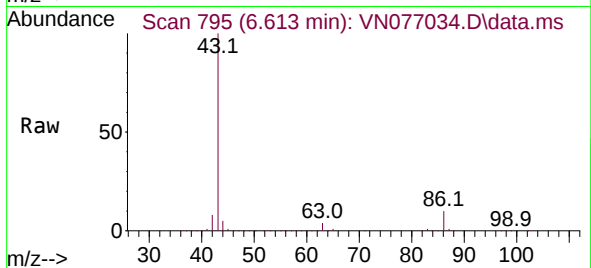
Tgt Ion: 45 Resp: 890584
Ion Ratio Lower Upper
45 100
43 52.4 41.5 62.3
87 25.3 20.6 30.8
59 11.3 9.7 14.5





#23
 Vinyl Acetate
 Concen: 273.271 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32

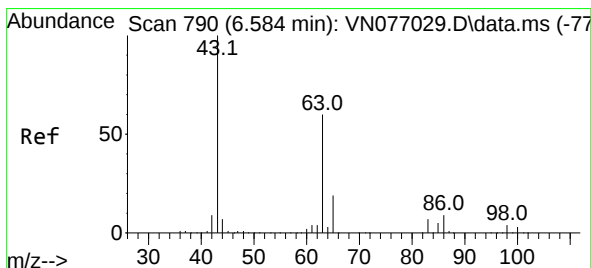
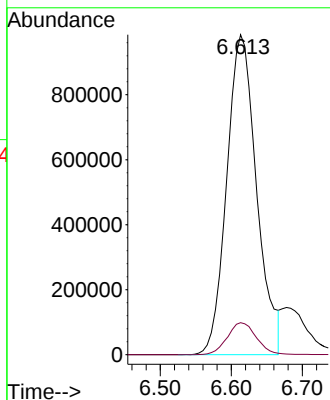
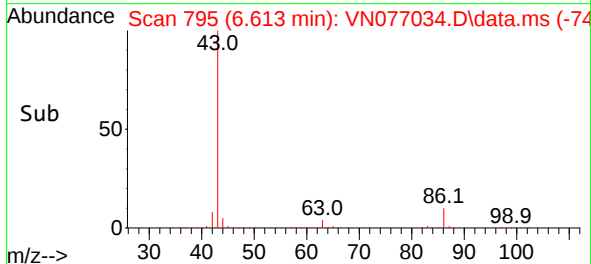
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



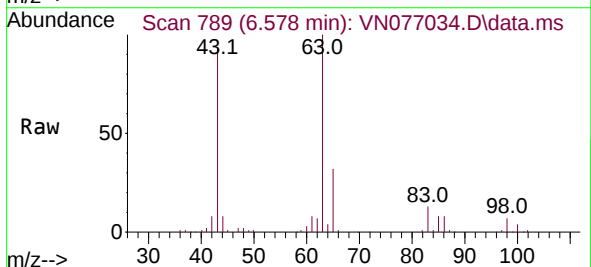
Tgt Ion: 43 Resp: 288088
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0

Manual Integrations
 APPROVED

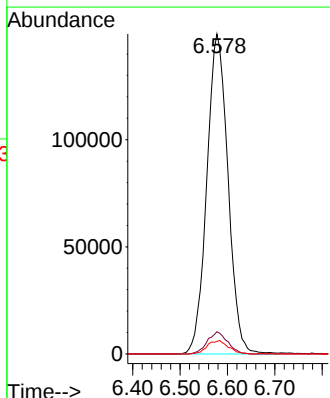
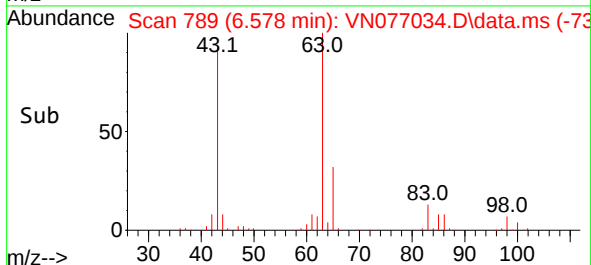
Reviewed By :John Carlone 03/20/2023
 Supervised By :Mahesh Dadoda 03/20/2023

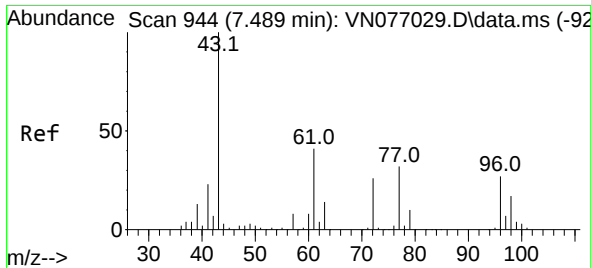


#24
 1,1-Dichloroethane
 Concen: 48.567 ug/l
 RT: 6.578 min Scan# 789
 Delta R.T. -0.006 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32



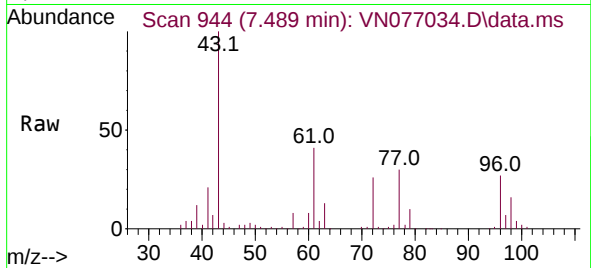
Tgt Ion: 63 Resp: 464290
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.1 9.4
 100 3.9 2.1 6.3





#25
2-Butanone
Concen: 265.172 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

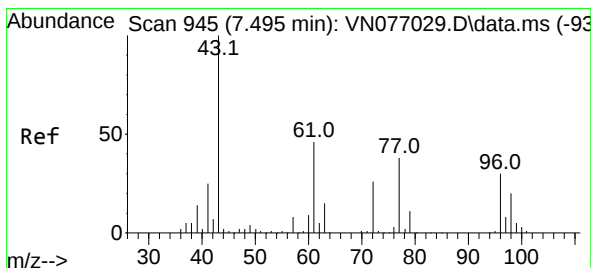
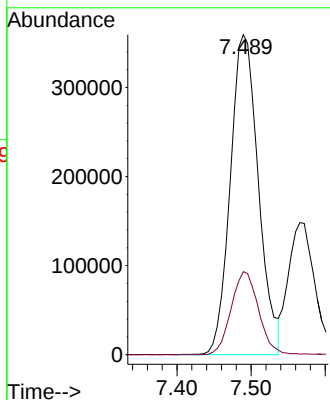
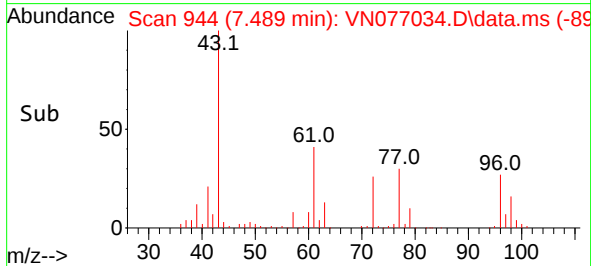
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



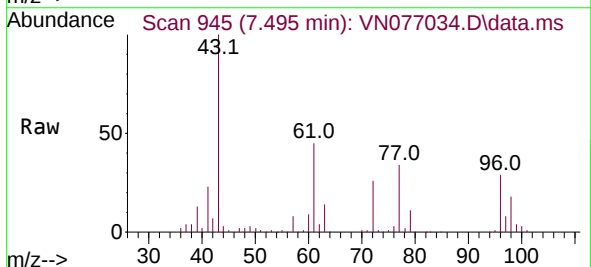
Tgt Ion: 43 Resp: 947140
Ion Ratio Lower Upper
43 100
72 26.0 20.7 31.1

Manual Integrations
APPROVED

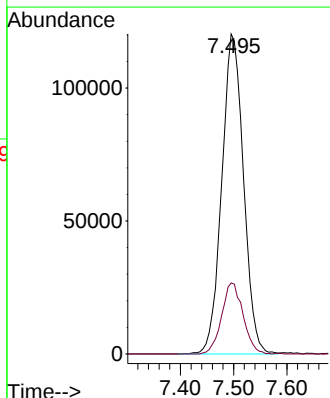
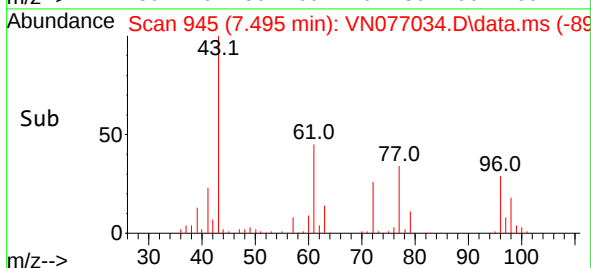
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

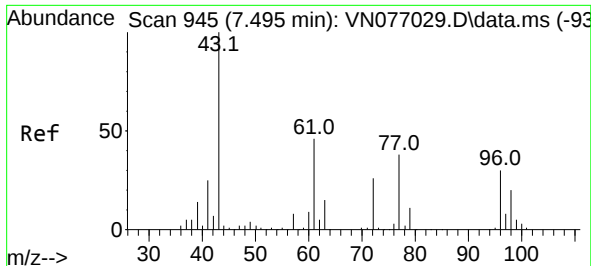


#26
2,2-Dichloropropane
Concen: 47.414 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



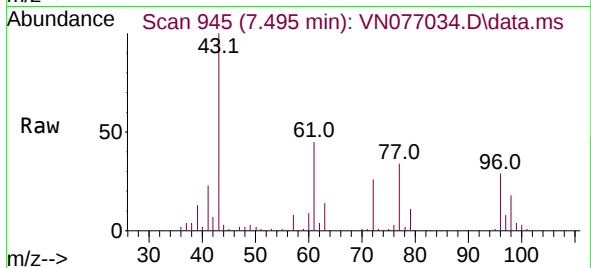
Tgt Ion: 77 Resp: 341049
Ion Ratio Lower Upper
77 100
97 21.8 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 51.193 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32

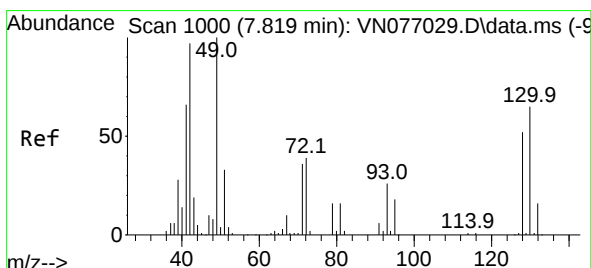
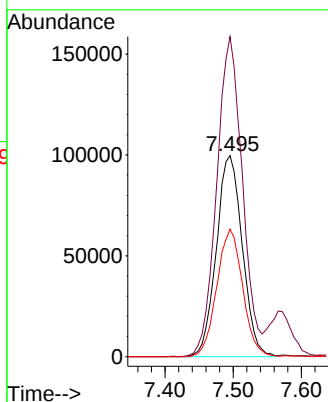
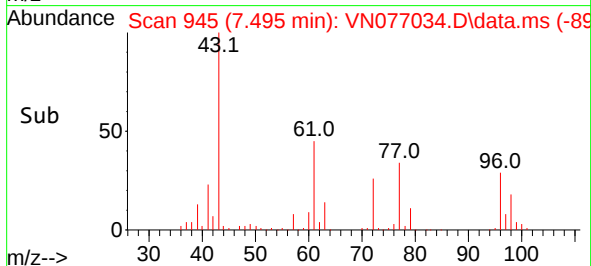
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 264688
 Ion Ratio Lower Upper
 96 100
 61 157.2 0.0 315.4
 98 62.9 0.0 128.6

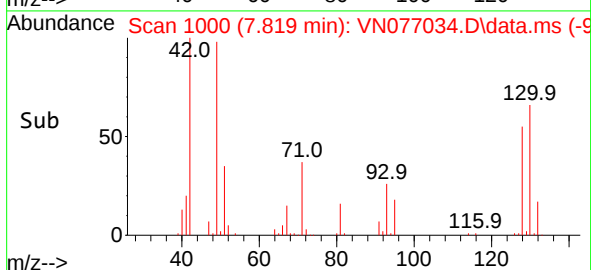
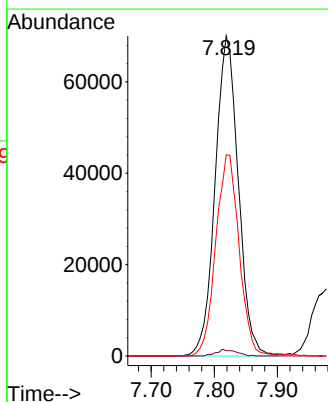
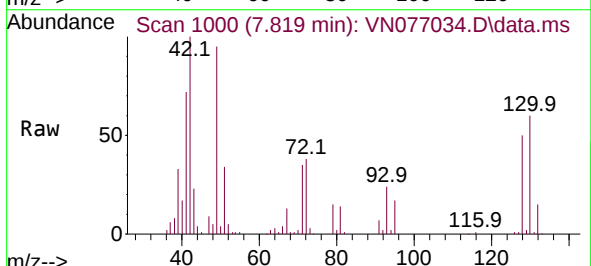
Manual Integrations
 APPROVED

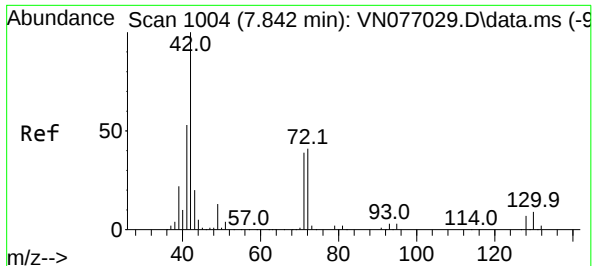
Reviewed By :John Carlone 03/20/2023
 Supervised By :Mahesh Dadoda 03/20/2023



#28
 Bromochloromethane
 Concen: 43.005 ug/l
 RT: 7.819 min Scan# 1000
 Delta R.T. -0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32

Tgt Ion: 49 Resp: 178537
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 63.6 51.9 77.9





#29

Tetrahydrofuran

Concen: 277.631 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077034.D

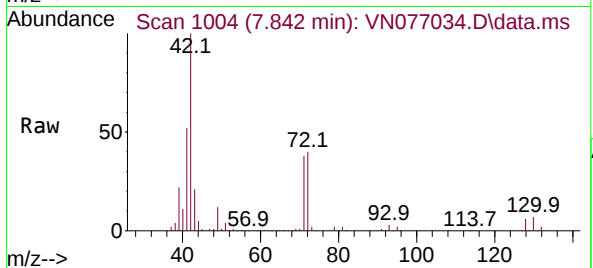
Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



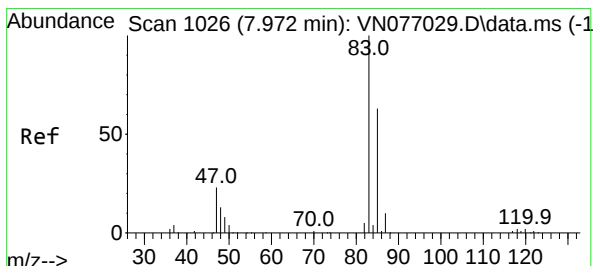
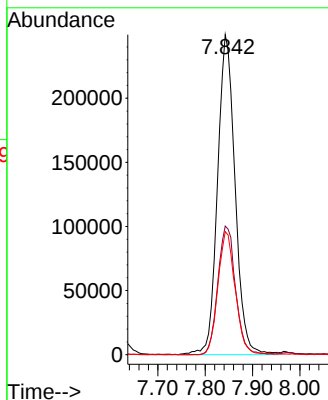
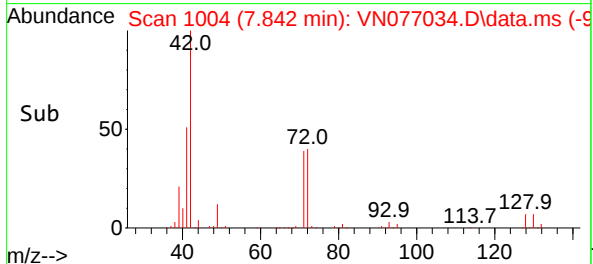
Tgt Ion:	42	Resp:	642594
Ion	Ratio	Lower	Upper
42	100		
72	40.5	33.2	49.8
71	38.0	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#30

Chloroform

Concen: 49.051 ug/l

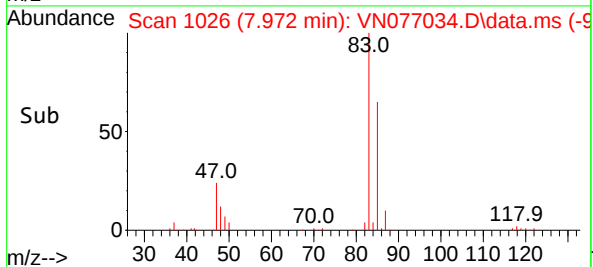
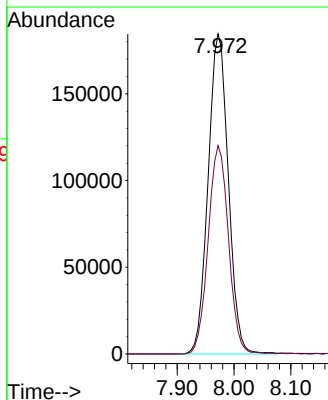
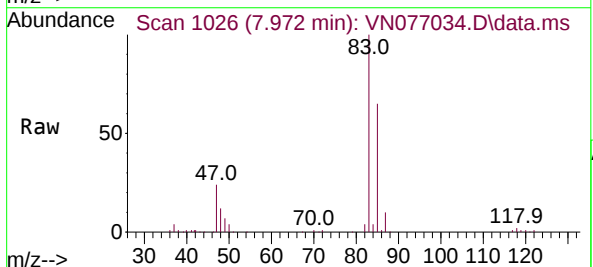
RT: 7.972 min Scan# 1026

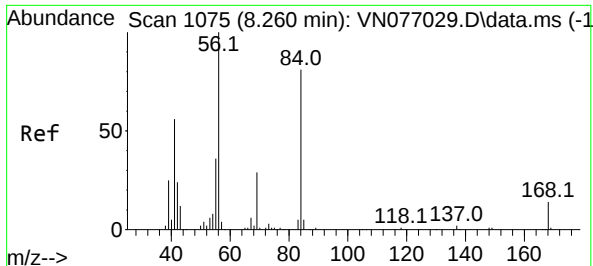
Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

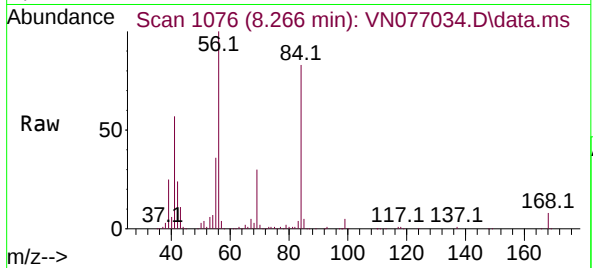
Tgt Ion:	83	Resp:	455121
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31
Cyclohexane
Concen: 43.463 ug/l
RT: 8.266 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

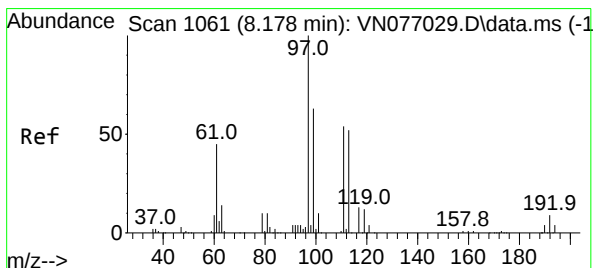
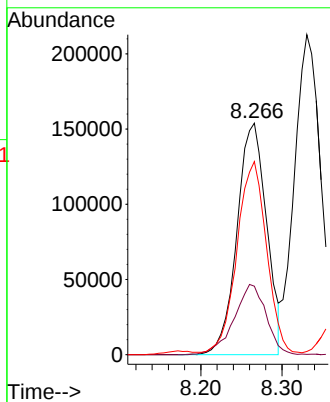
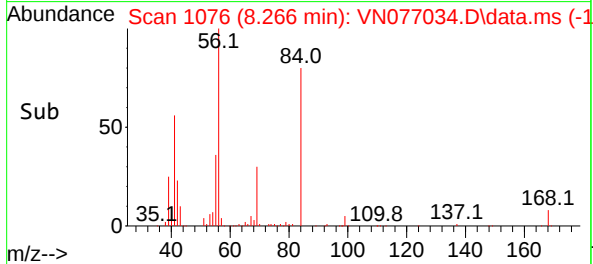
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



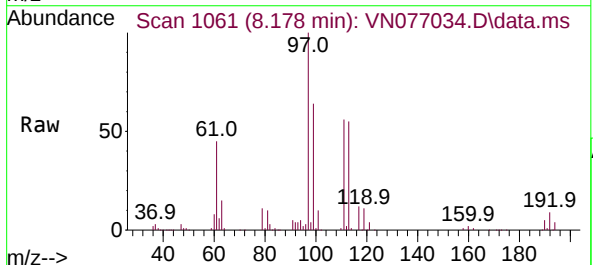
Tgt Ion: 56 Resp: 38968
Ion Ratio Lower Upper
56 100
69 29.6 22.8 34.2
84 81.8 64.7 97.1

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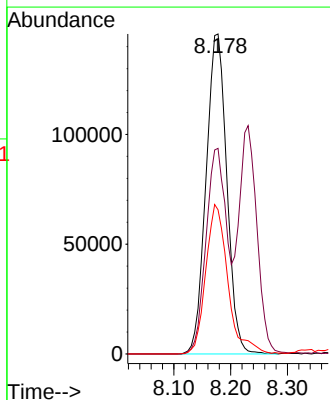
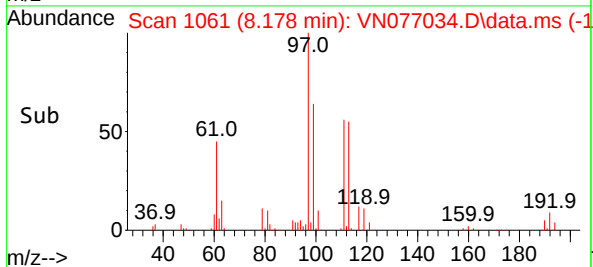
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

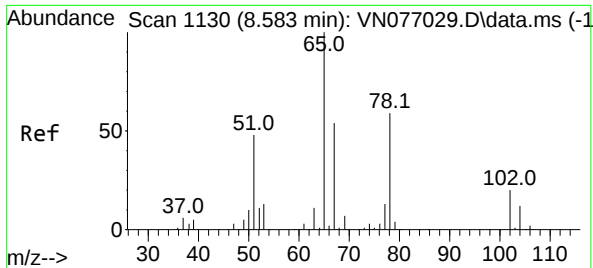


#32
1,1,1-Trichloroethane
Concen: 46.611 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 97 Resp: 369638
Ion Ratio Lower Upper
97 100
99 63.7 50.2 75.2
61 49.7 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 49.220 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 269710

Ion Ratio Lower Upper

65 100

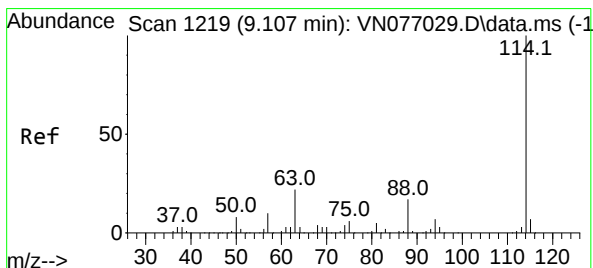
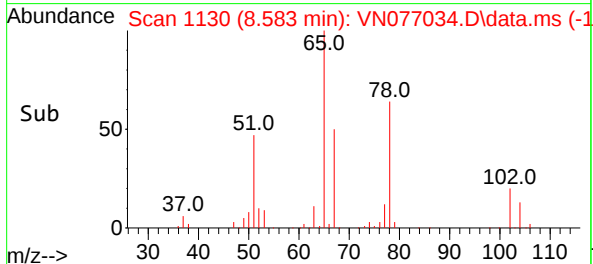
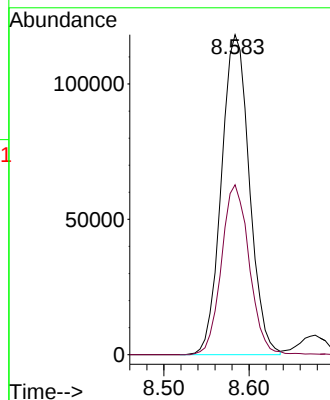
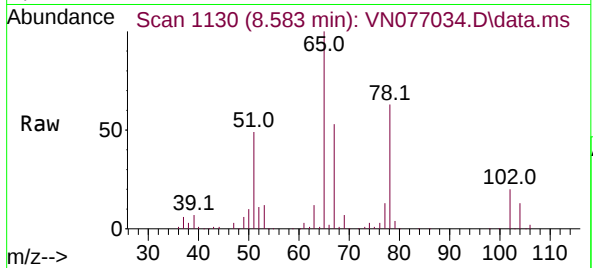
67 53.0 0.0 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

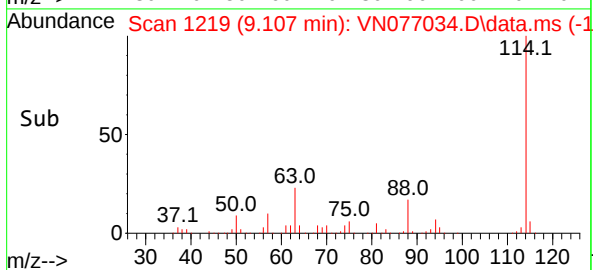
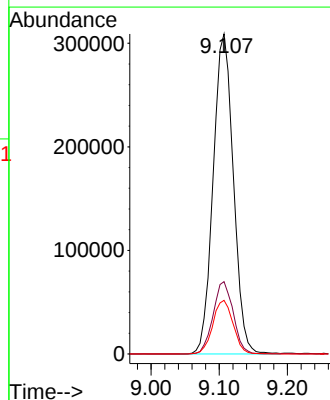
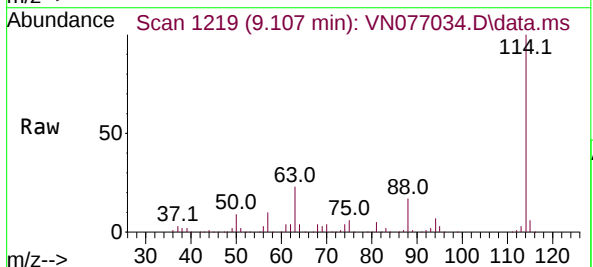
Tgt Ion:114 Resp: 639017

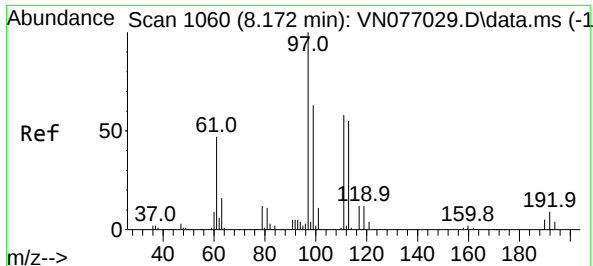
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.086 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

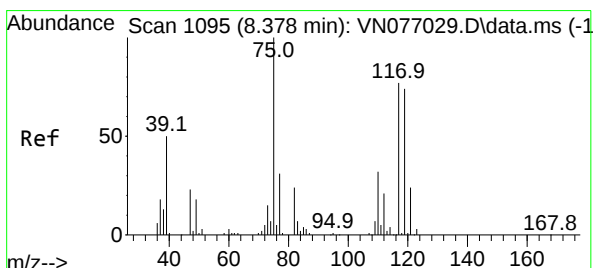
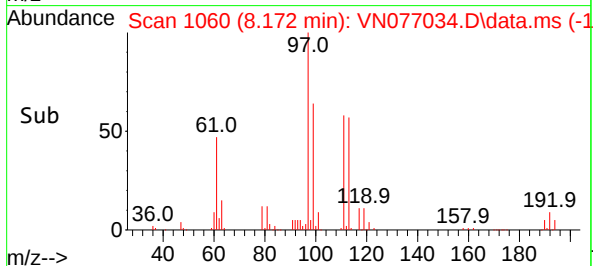
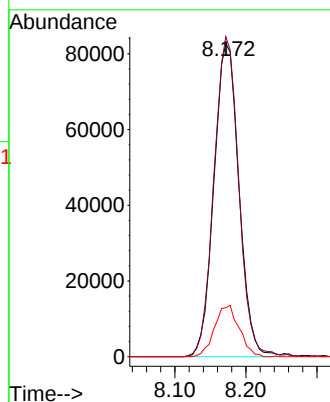
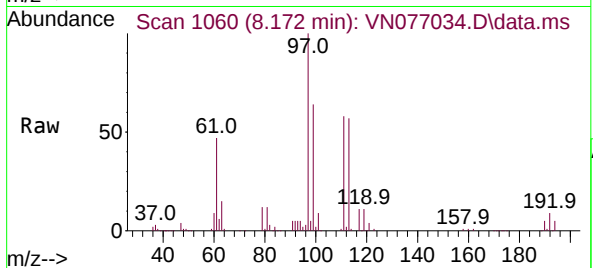
Tgt Ion:	113	Resp:	20176
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.2	123.2
192	16.1	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#36

1,1-Dichloropropene

Concen: 45.848 ug/l

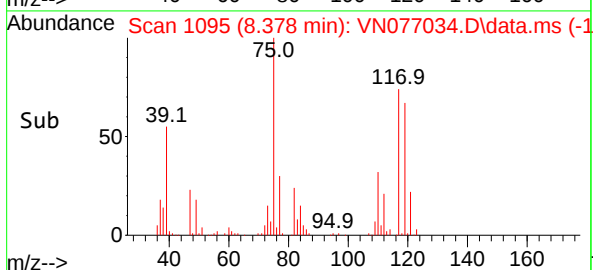
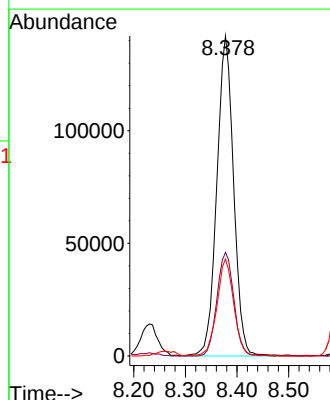
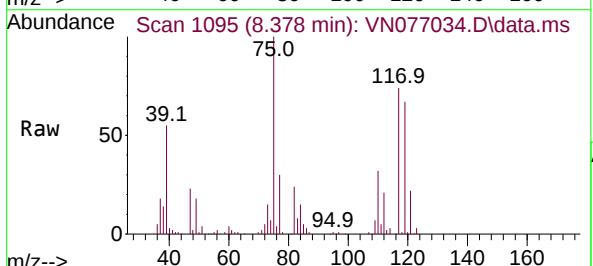
RT: 8.378 min Scan# 1095

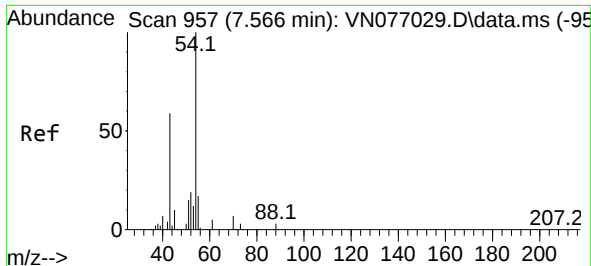
Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

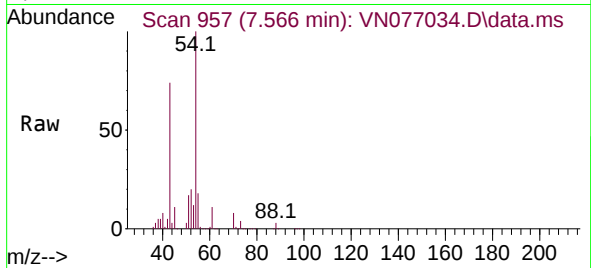
Tgt Ion:	75	Resp:	320468
Ion Ratio	Lower	Upper	
75	100		
110	32.7	15.9	47.7
77	30.3	24.3	36.5





#37
Ethyl Acetate
Concen: 50.065 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

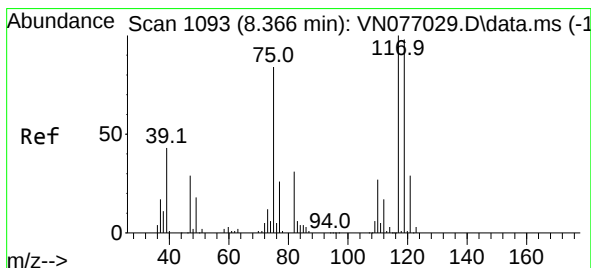
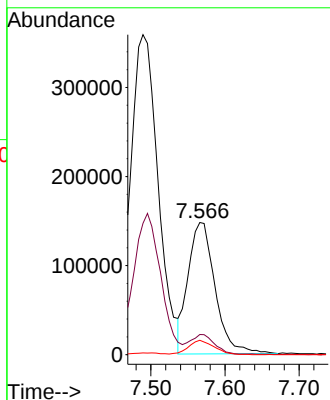
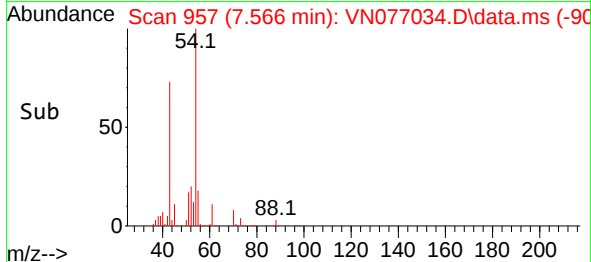
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 374412
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 10.4 8.4 12.6

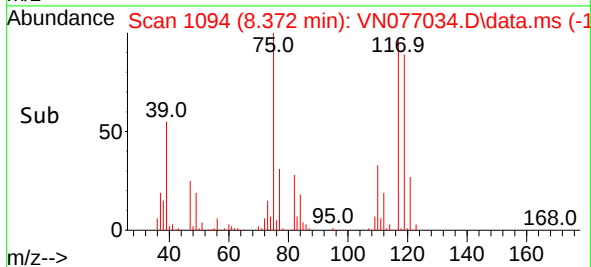
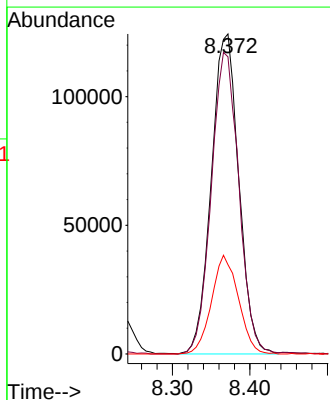
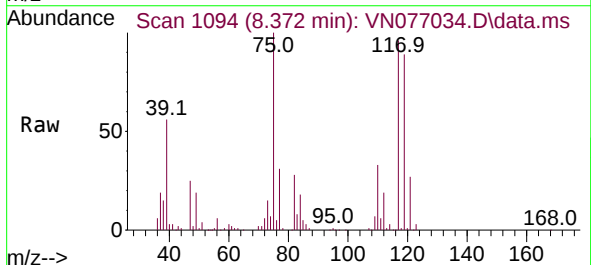
Manual Integrations
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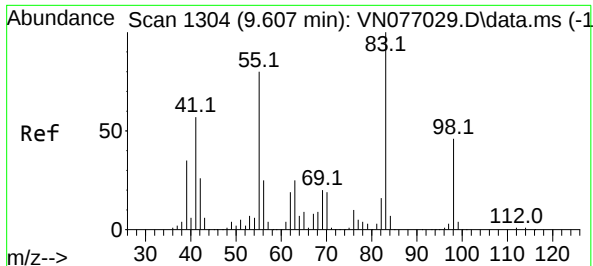
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#38
Carbon Tetrachloride
Concen: 45.076 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Tgt Ion:117 Resp: 306890
Ion Ratio Lower Upper
117 100
119 92.8 78.2 117.2
121 27.9 23.2 34.8





#39

Methylcyclohexane

Concen: 47.229 ug/l

RT: 9.607 min Scan# 11304

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 386404

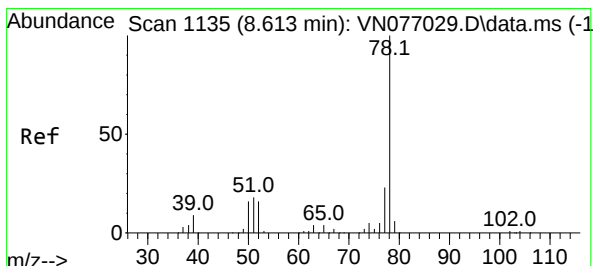
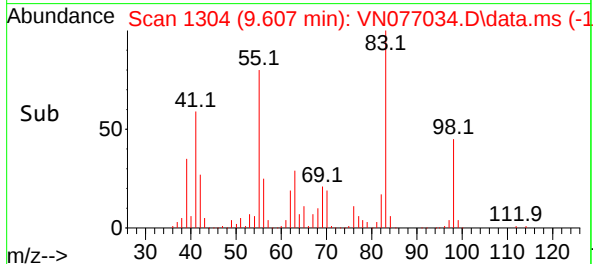
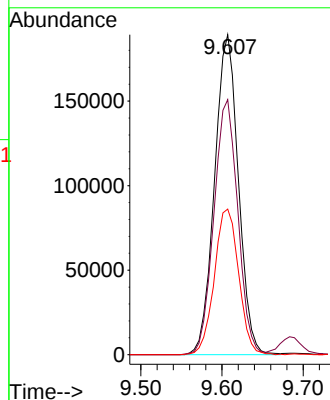
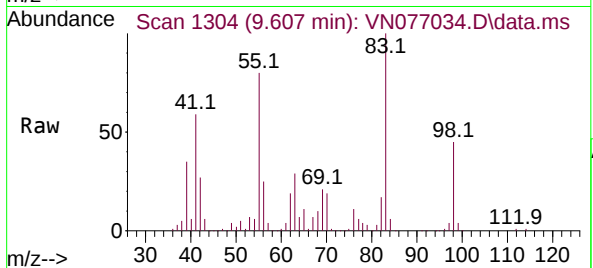
Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.8	95.8
98	45.5	37.1	55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#40

Benzene

Concen: 47.524 ug/l

RT: 8.613 min Scan# 1135

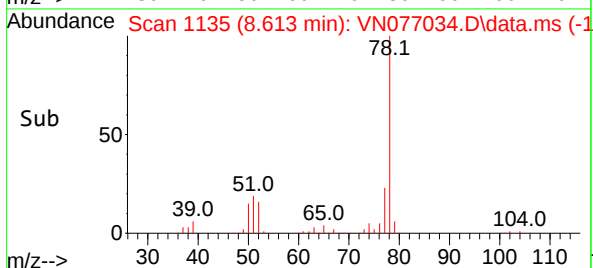
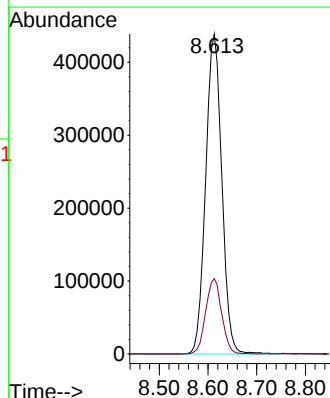
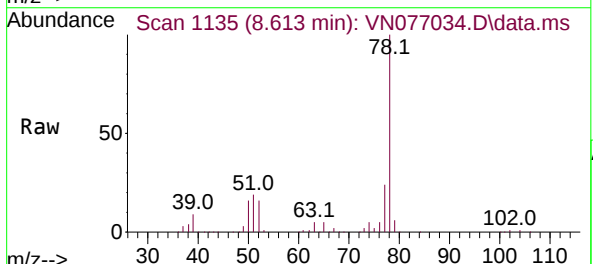
Delta R.T. -0.000 min

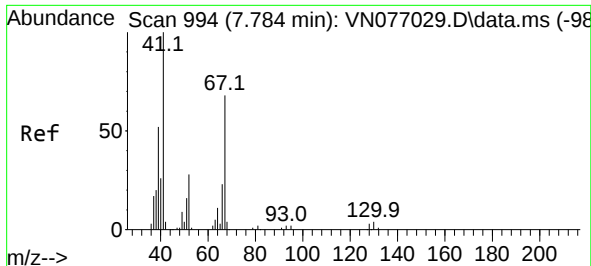
Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Tgt Ion: 78 Resp: 1007427

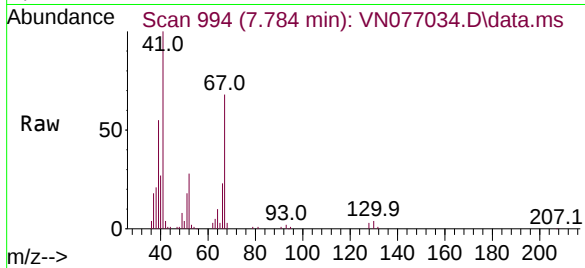
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





#41
Methacrylonitrile
Concen: 50.848 ug/l
RT: 7.784 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

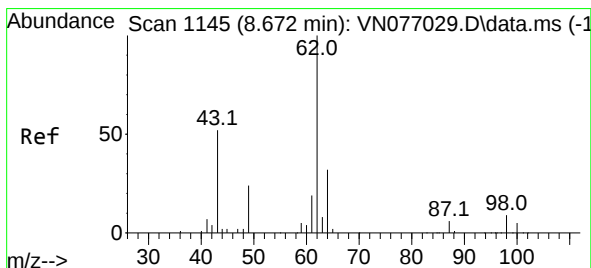
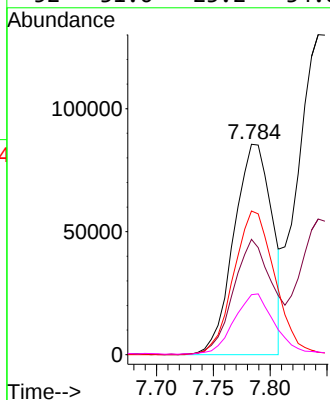
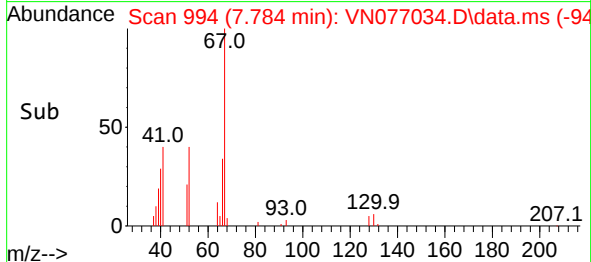
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



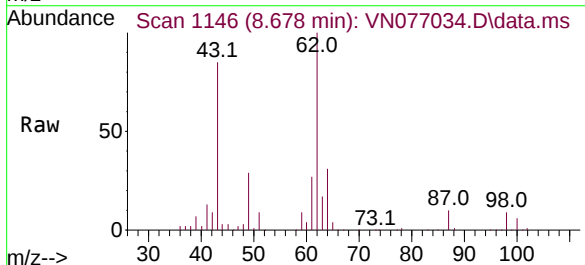
Tgt Ion: 41 Resp: 200310
Ion Ratio Lower Upper
41 100
39 57.2 41.6 62.4
67 74.0 53.8 80.8
52 31.6 23.2 34.8

Manual Integrations
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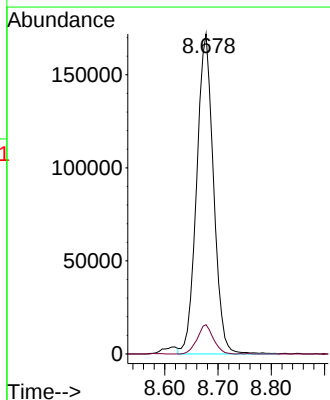
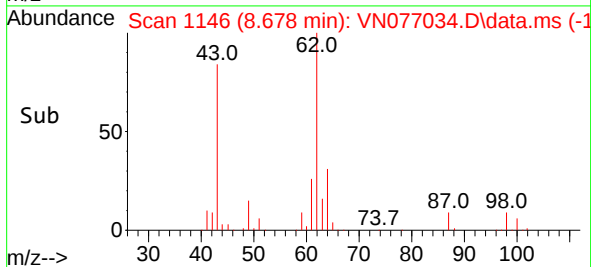
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

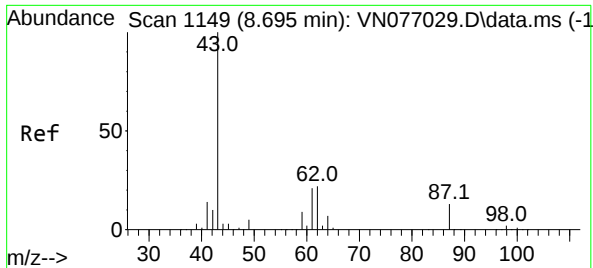


#42
1,2-Dichloroethane
Concen: 49.315 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 62 Resp: 377758
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.4





#43

Isopropyl Acetate

Concen: 52.094 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 608598

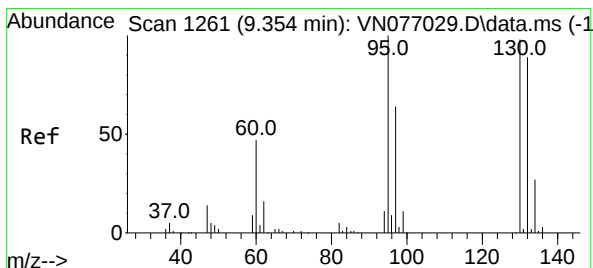
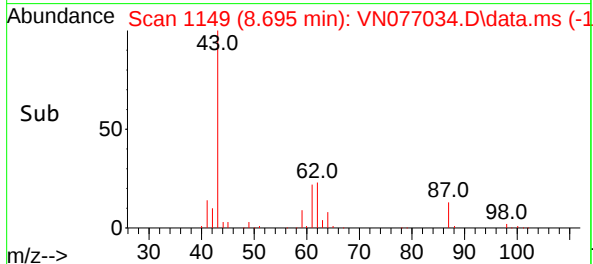
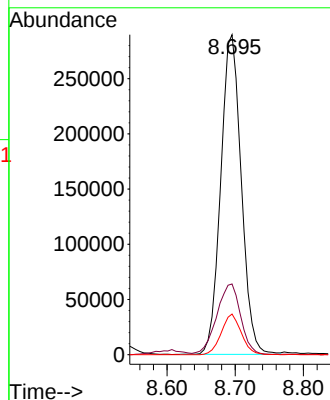
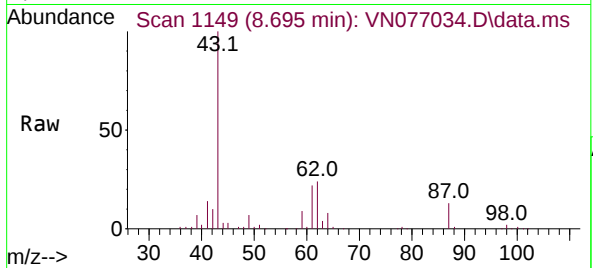
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.6	30.8
87	12.3	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#44

Trichloroethene

Concen: 44.722 ug/l

RT: 9.354 min Scan# 1261

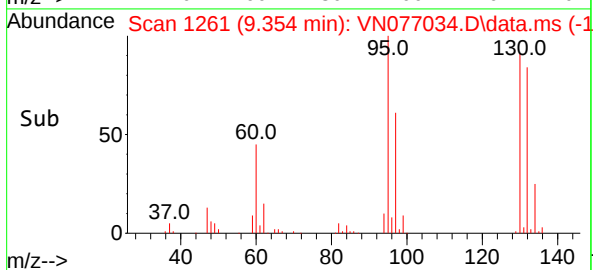
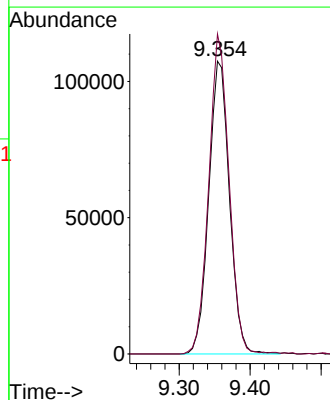
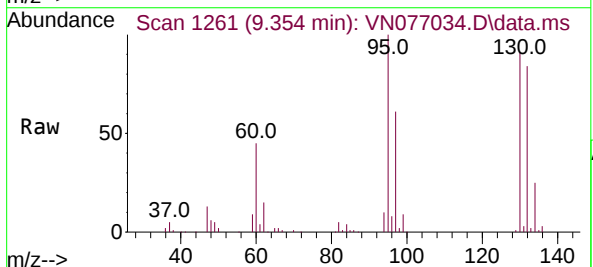
Delta R.T. 0.000 min

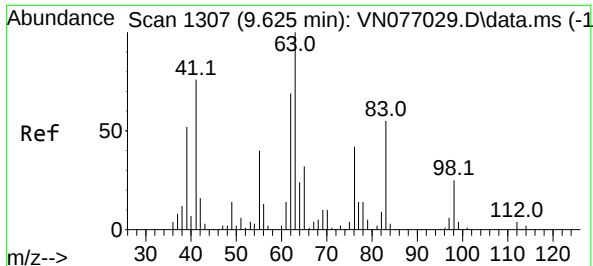
Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Tgt Ion:130 Resp: 217758

Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	204.4





#45

1,2-Dichloropropane

Concen: 49.179 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 27688

Ion Ratio Lower Upper

63 100

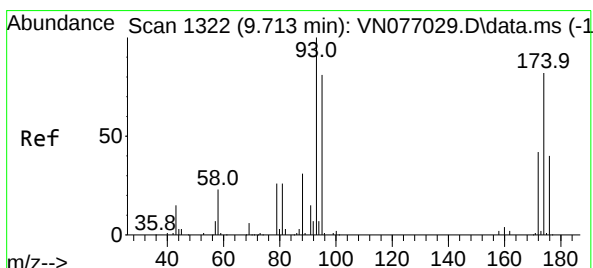
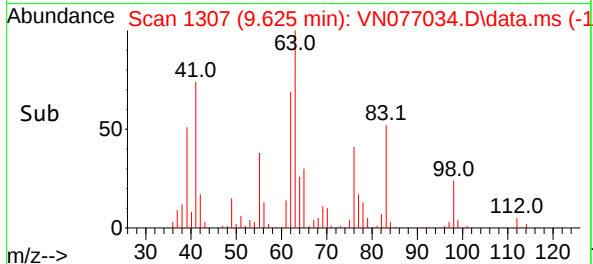
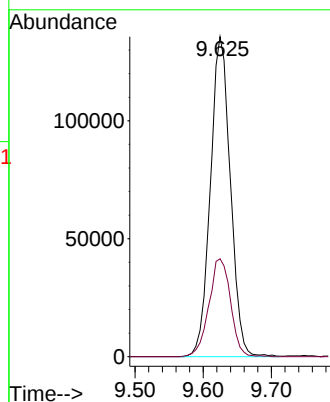
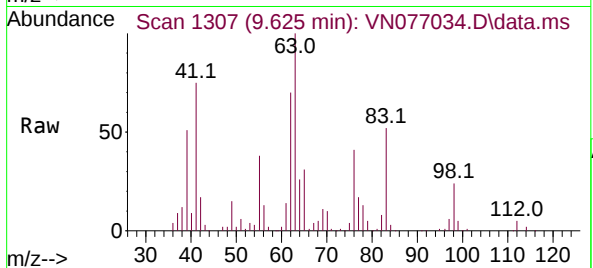
65 30.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#46

Dibromomethane

Concen: 48.553 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

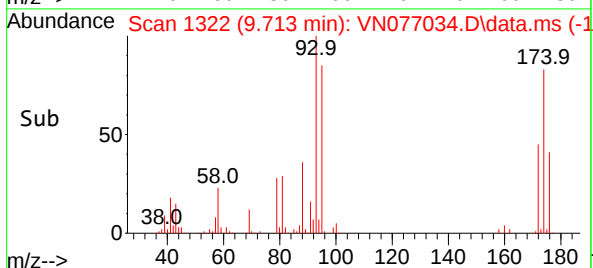
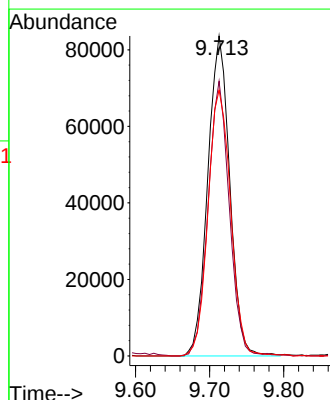
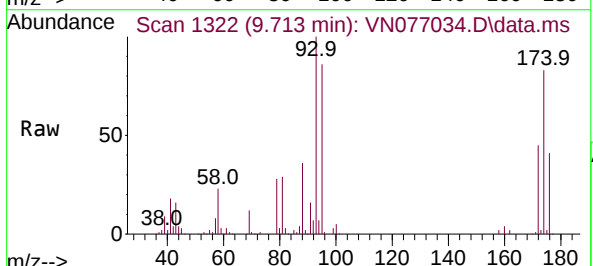
Tgt Ion: 93 Resp: 172400

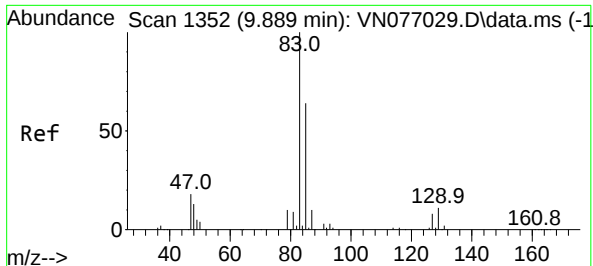
Ion Ratio Lower Upper

93 100

95 83.2 65.7 98.5

174 85.7 66.4 99.6





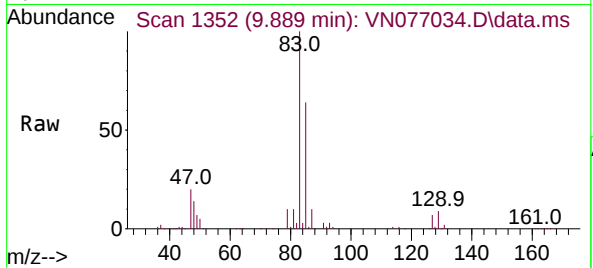
#47
Bromodichloromethane
Concen: 48.096 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



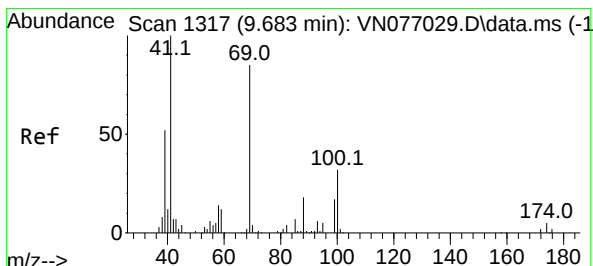
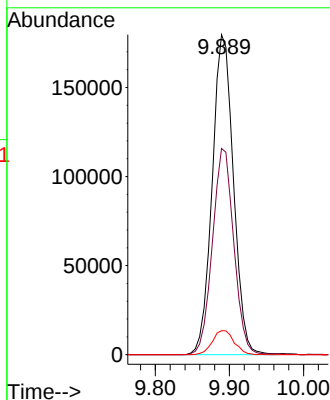
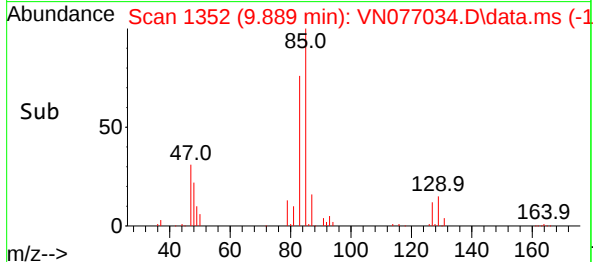
Tgt Ion: 83 Resp: 35817
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.4
127 7.5 6.1 9.1

Manual Integrations

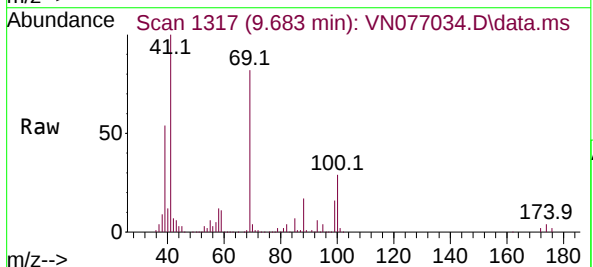
APPROVED

Reviewed By :John Carlone 03/20/2023

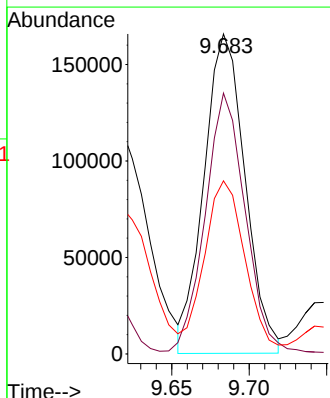
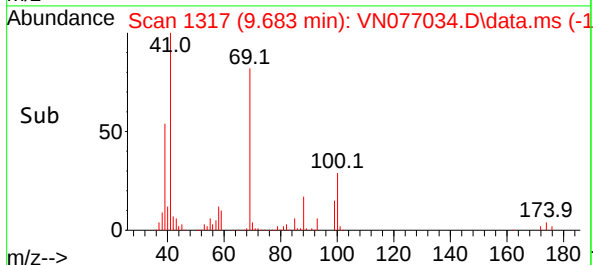
Supervised By :Mahesh Dadoda 03/20/2023

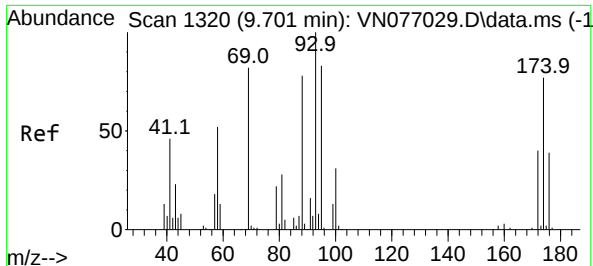


#48
Methyl methacrylate
Concen: 54.562 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 41 Resp: 304735
Ion Ratio Lower Upper
41 100
69 80.3 64.3 96.5
39 54.4 43.2 64.8





#49

1,4-Dioxane

Concen: 1093.773 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 104338

Ion Ratio Lower Upper

88 100

43 27.7 22.2 33.2

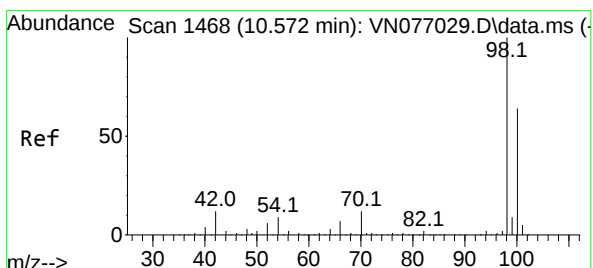
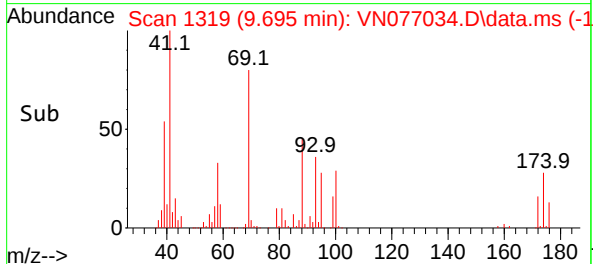
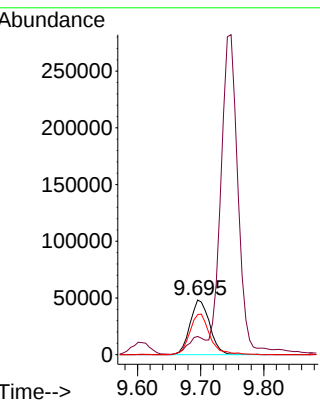
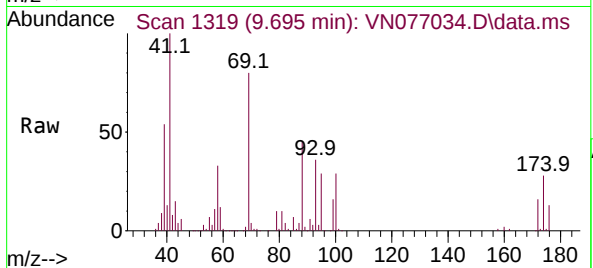
58 75.9 60.8 91.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#50

Toluene-d8

Concen: 45.755 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077034.D

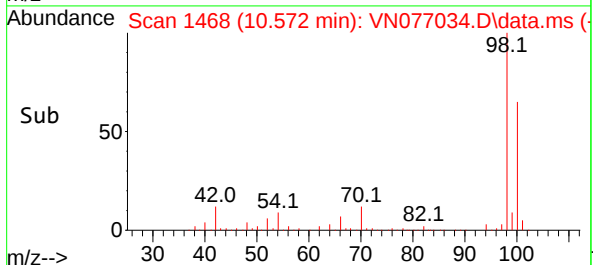
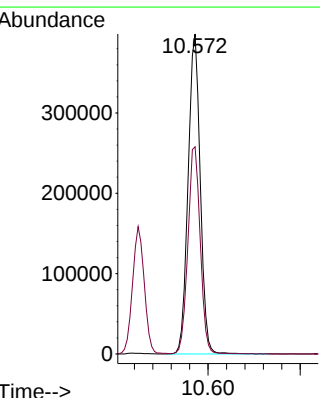
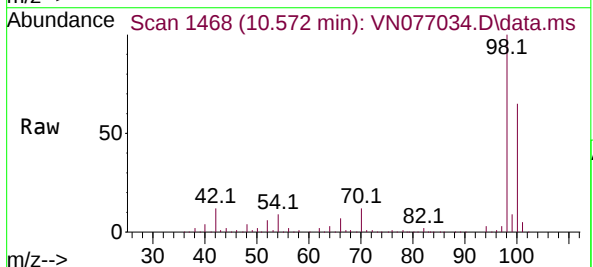
Acq: 17 Mar 2023 14:32

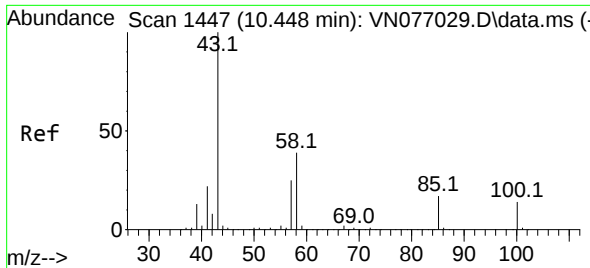
Tgt Ion: 98 Resp: 731434

Ion Ratio Lower Upper

98 100

100 65.8 51.6 77.4





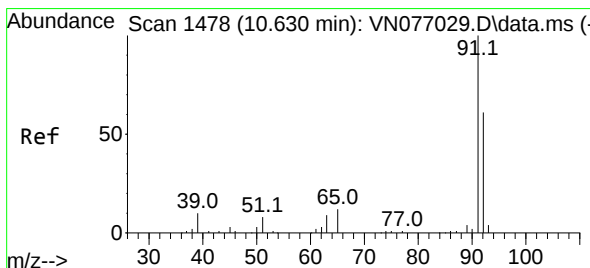
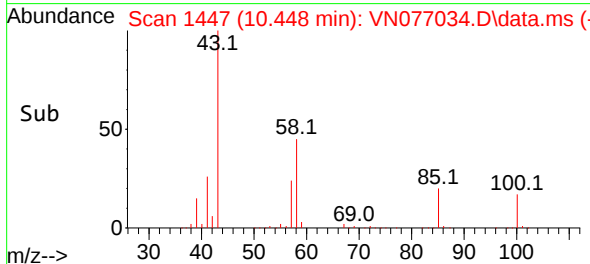
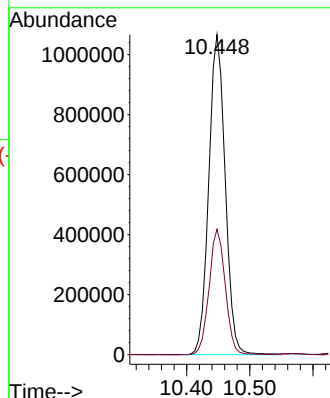
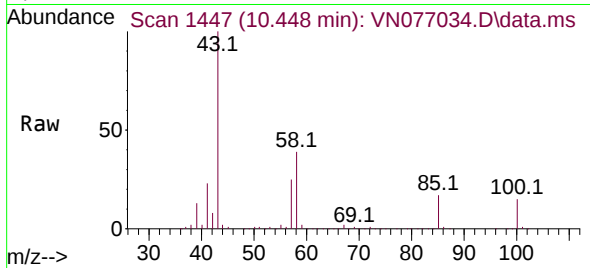
#51
4-Methyl-2-Pentanone
Concen: 264.763 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 192617
Ion Ratio Lower Upper
43 100
58 38.7 31.1 46.7

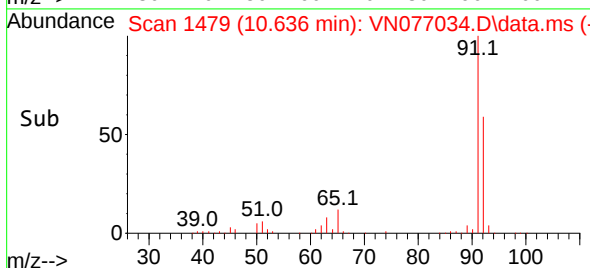
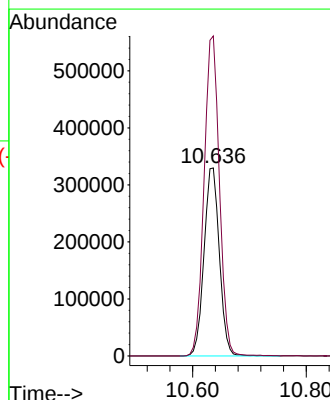
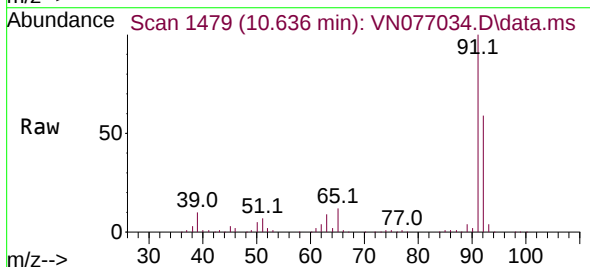
Manual Integrations
APPROVED

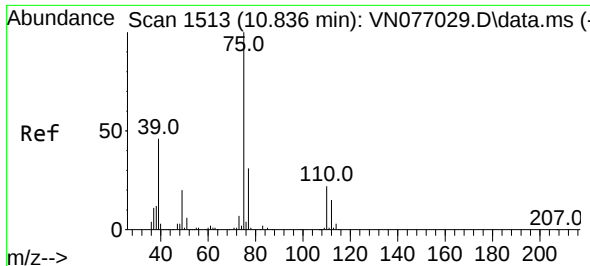
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#52
Toluene
Concen: 48.649 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Tgt Ion: 92 Resp: 615747
Ion Ratio Lower Upper
92 100
91 170.5 135.8 203.8





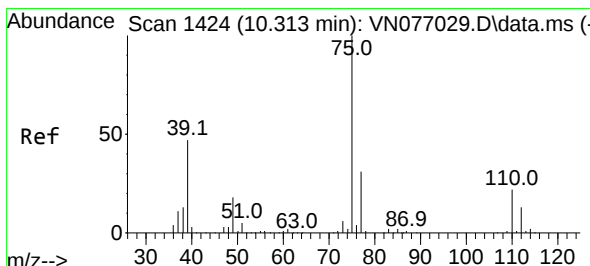
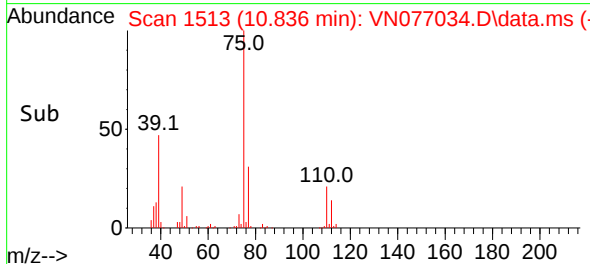
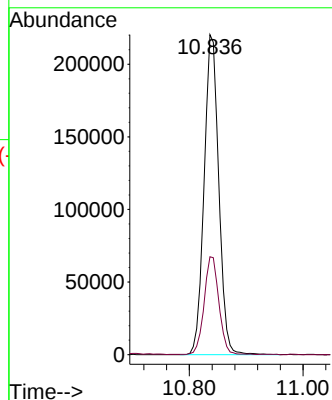
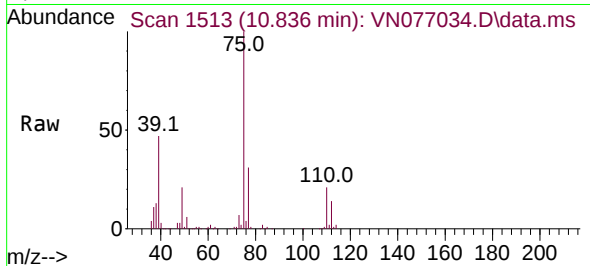
#53
t-1,3-Dichloropropene
Concen: 53.928 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 39362
Ion Ratio Lower Upper
75 100
77 30.6 25.1 37.7

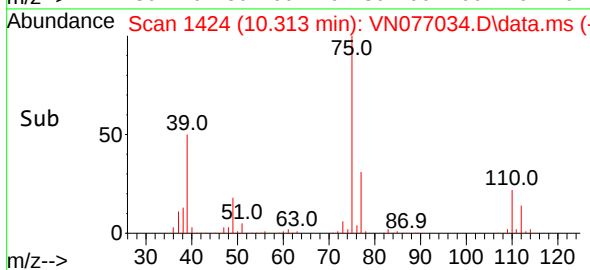
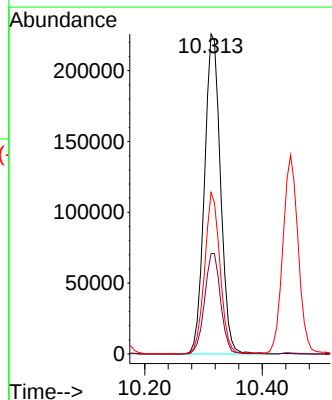
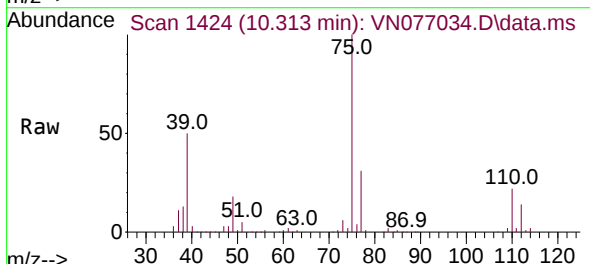
Manual Integrations
APPROVED

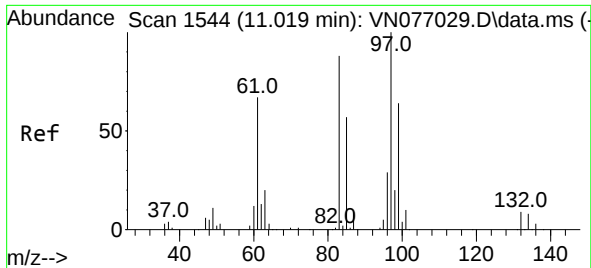
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#54
cis-1,3-Dichloropropene
Concen: 52.117 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

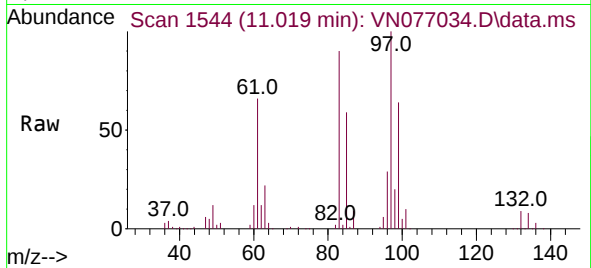
Tgt Ion: 75 Resp: 429204
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7
39 50.5 37.8 56.6





#55
1,1,2-Trichloroethane
Concen: 49.433 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

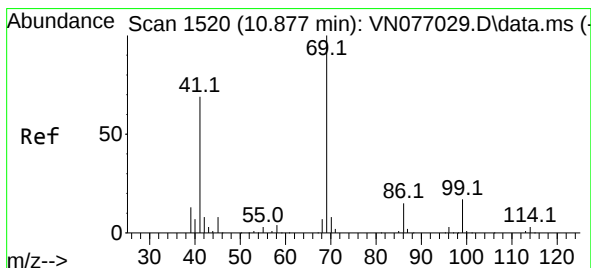
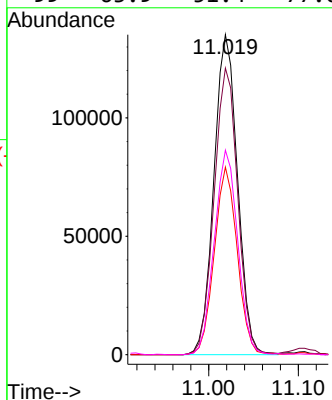
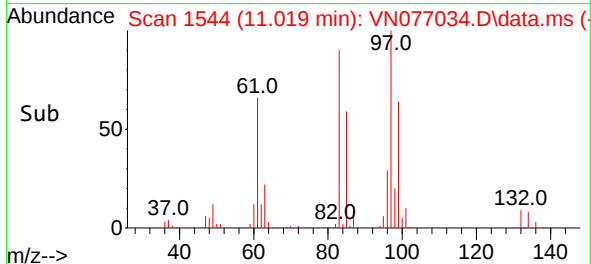
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



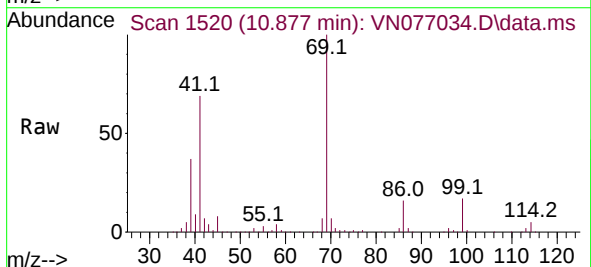
Tgt Ion: 97 Resp: 24672
Ion Ratio Lower Upper
97 100
83 89.5 70.5 105.7
85 58.6 45.4 68.2
99 63.9 51.4 77.0

Manual Integrations
APPROVED

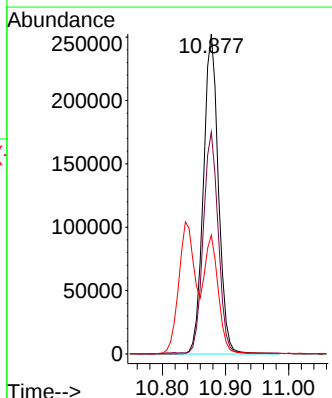
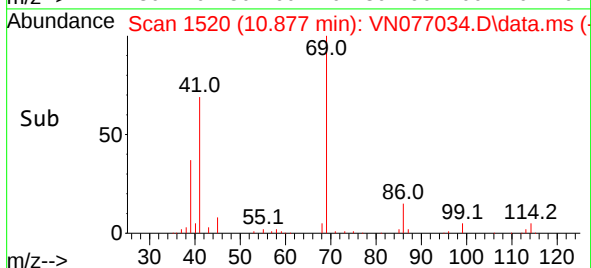
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

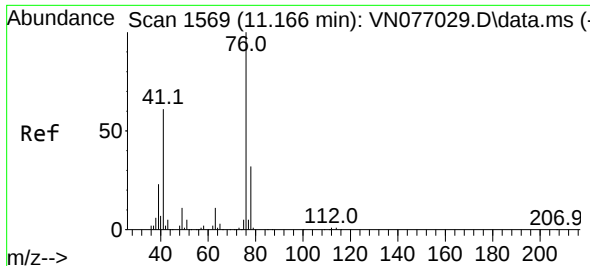


#56
Ethyl methacrylate
Concen: 55.614 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 69 Resp: 417391
Ion Ratio Lower Upper
69 100
41 68.5 54.9 82.3
39 33.9 26.6 40.0





#57

1,3-Dichloropropane

Concen: 49.548 ug/l

RT: 11.166 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 452762

Ion Ratio Lower Upper

76 100

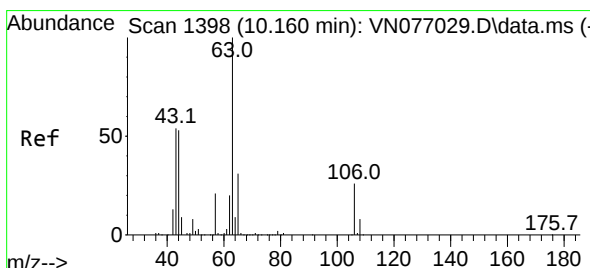
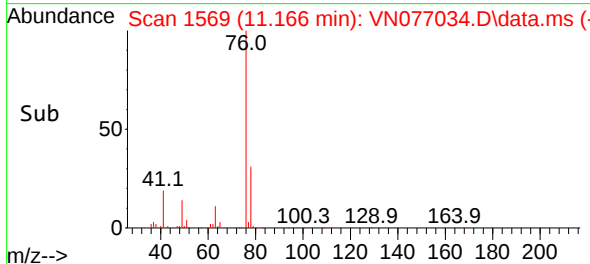
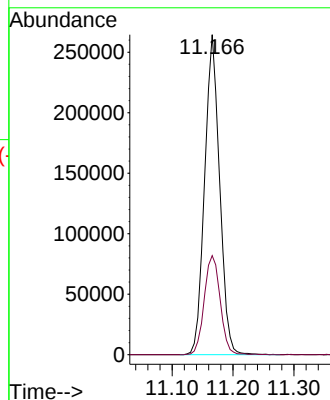
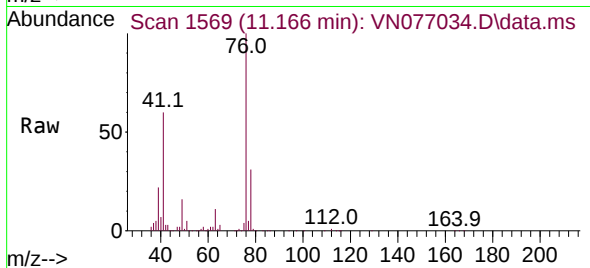
78 33.0 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#58

2-Chloroethyl Vinyl ether

Concen: 280.079 ug/l

RT: 10.166 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VN077034.D

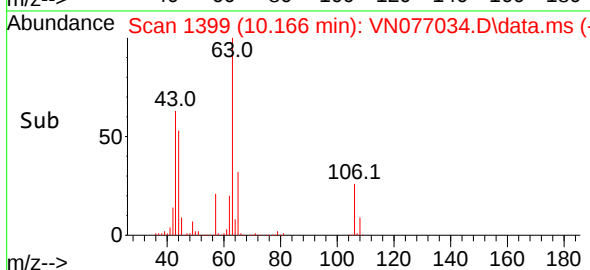
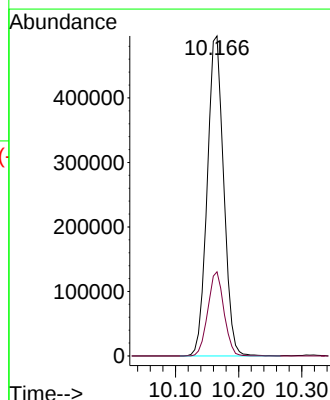
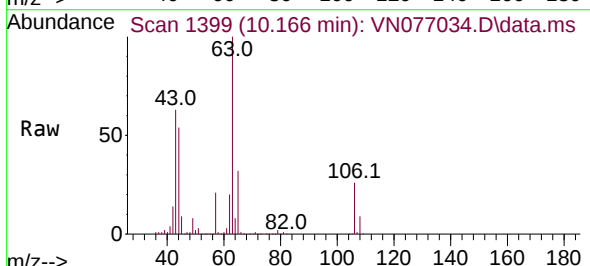
Acq: 17 Mar 2023 14:32

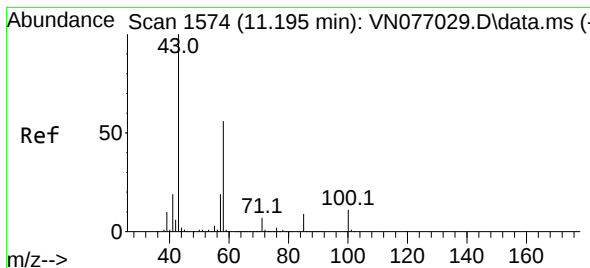
Tgt Ion: 63 Resp: 896148

Ion Ratio Lower Upper

63 100

106 25.8 20.6 31.0





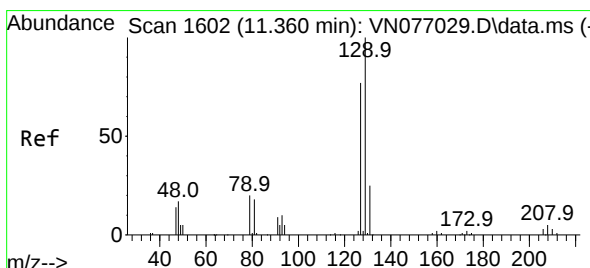
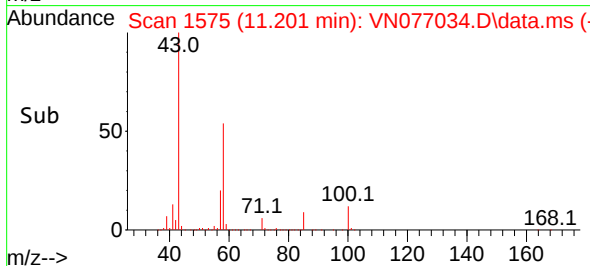
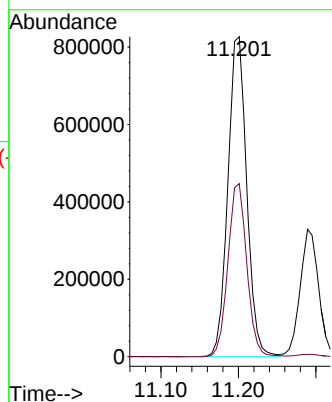
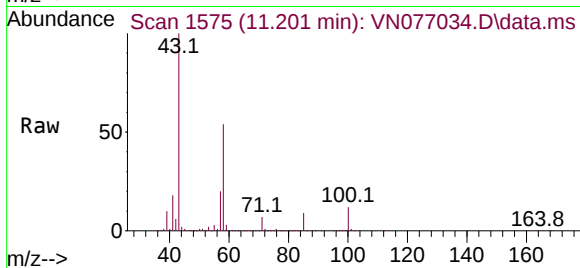
#59
2-Hexanone
Concen: 265.427 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 140058
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.1

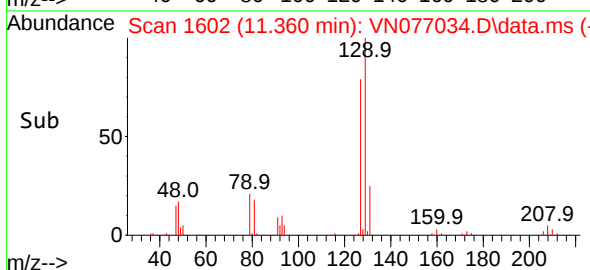
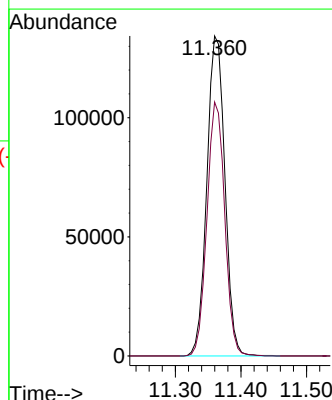
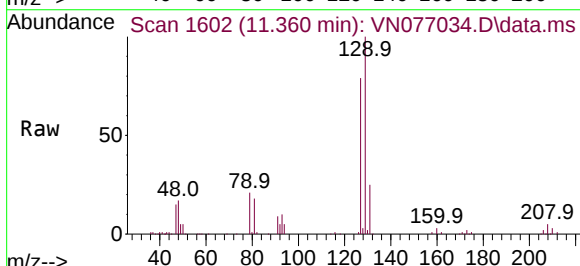
Manual Integrations
APPROVED

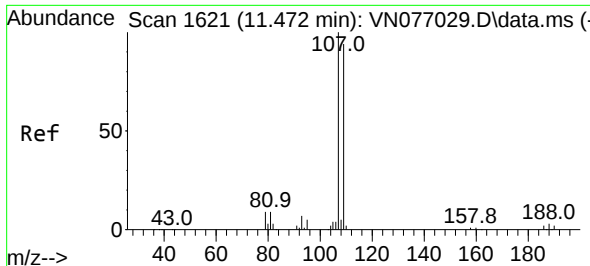
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#60
Dibromochloromethane
Concen: 51.208 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

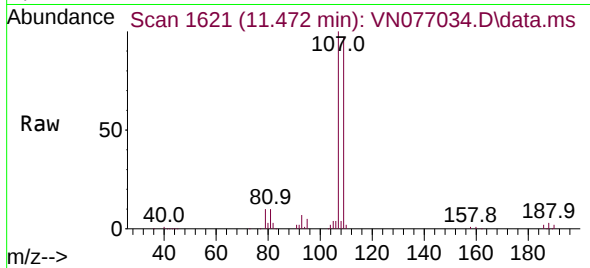
Tgt Ion:129 Resp: 256734
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.7





#61
1,2-Dibromoethane
Concen: 50.071 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

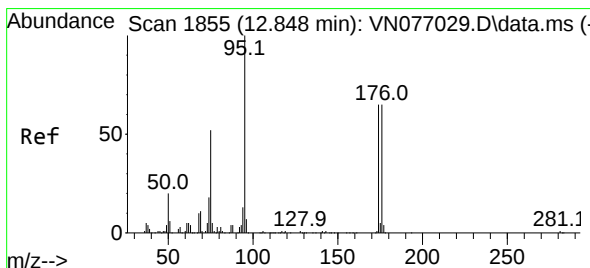
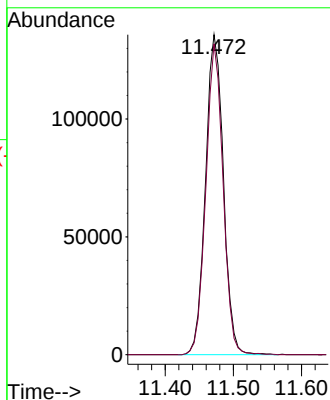
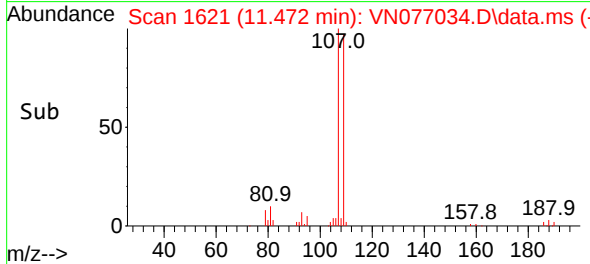
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



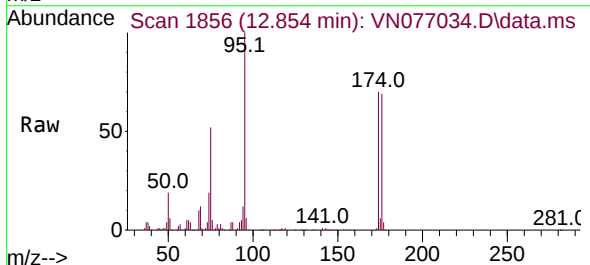
Tgt Ion:107 Resp: 247820
Ion Ratio Lower Upper
107 100
109 93.6 75.6 113.4

Manual Integrations
APPROVED

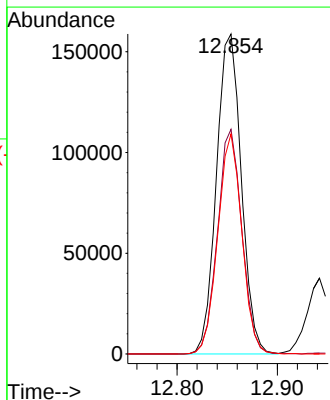
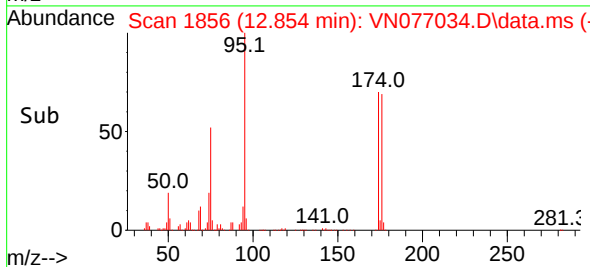
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

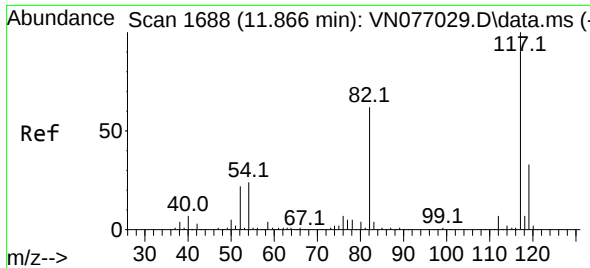


#62
4-Bromofluorobenzene
Concen: 48.439 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



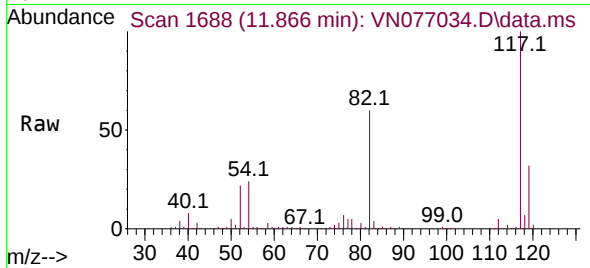
Tgt Ion: 95 Resp: 273621
Ion Ratio Lower Upper
95 100
174 68.7 0.0 136.6
176 66.3 0.0 130.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

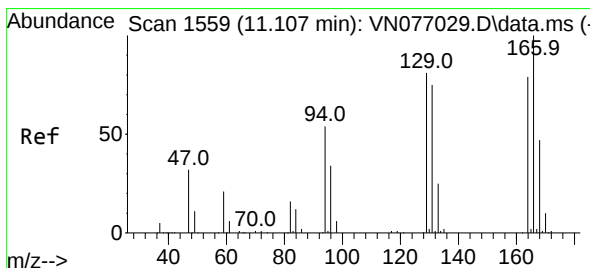
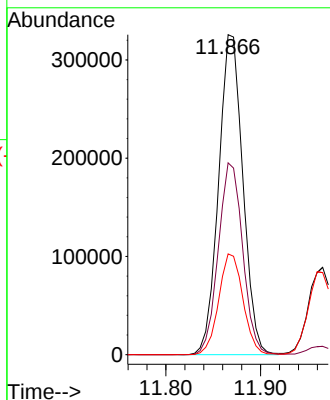
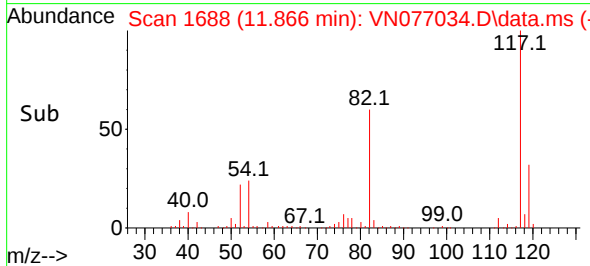
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 580540
Ion Ratio Lower Upper
117 100
82 59.9 49.4 74.0
119 31.5 26.5 39.7

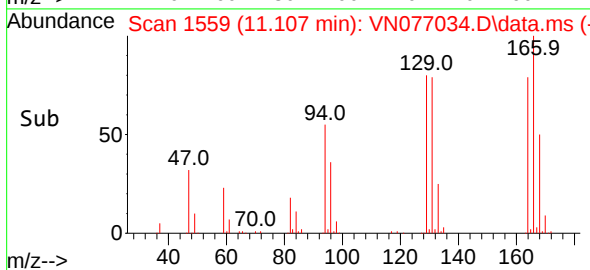
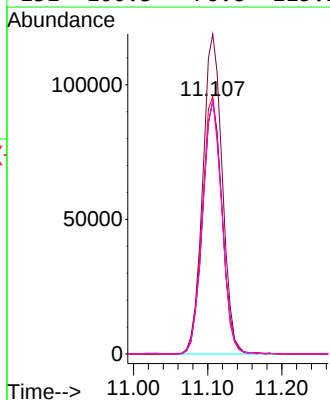
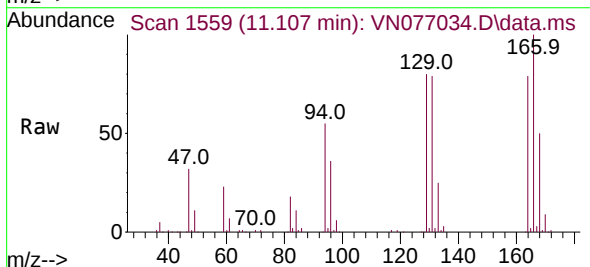
Manual Integrations
APPROVED

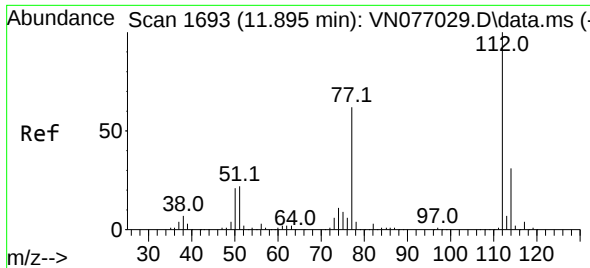
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#64
Tetrachloroethene
Concen: 44.119 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

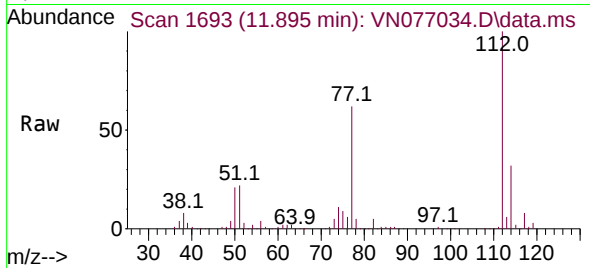
Tgt Ion:164 Resp: 171896
Ion Ratio Lower Upper
164 100
166 126.5 101.9 152.9
129 101.8 82.6 123.8
131 100.3 76.8 115.2





#65
Chlorobenzene
Concen: 46.337 ug/l
RT: 11.895 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

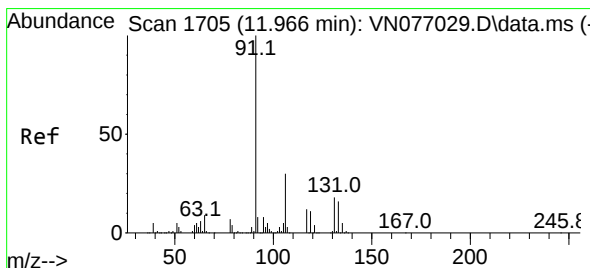
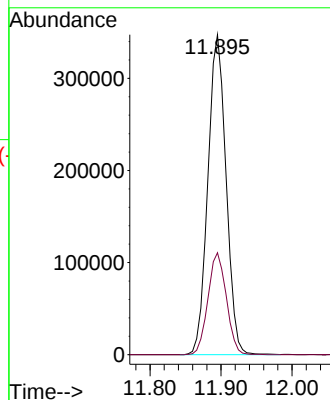
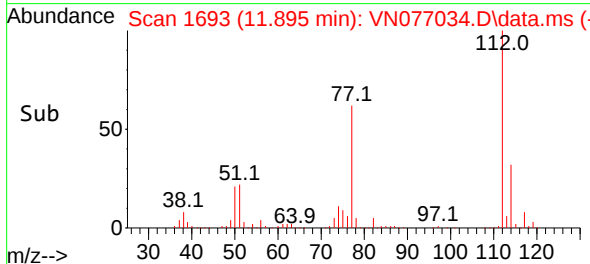
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



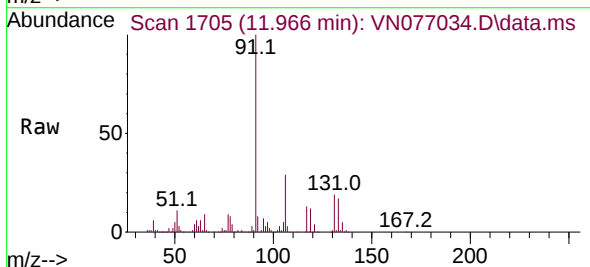
Tgt Ion:112 Resp: 618952
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2

Manual Integrations
APPROVED

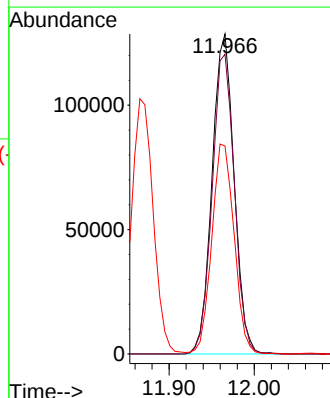
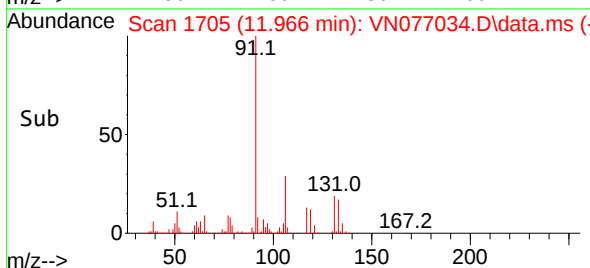
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

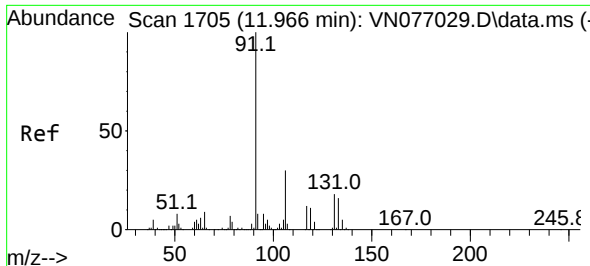


#66
1,1,1,2-Tetrachloroethane
Concen: 46.799 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



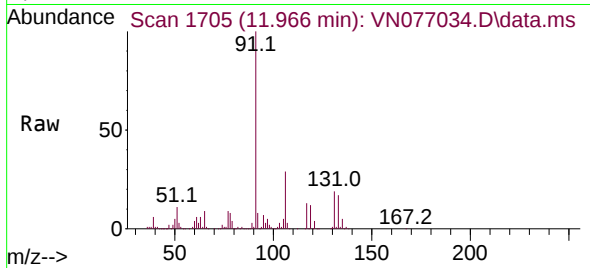
Tgt Ion:131 Resp: 231308
Ion Ratio Lower Upper
131 100
133 94.6 46.8 140.3
119 66.7 32.6 97.8





#67
Ethyl Benzene
Concen: 48.202 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

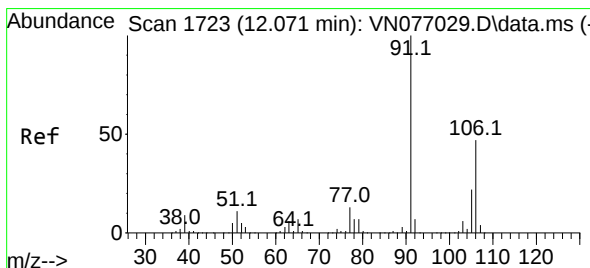
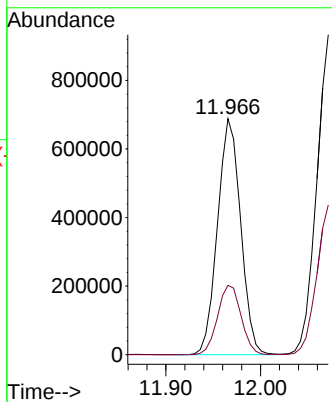
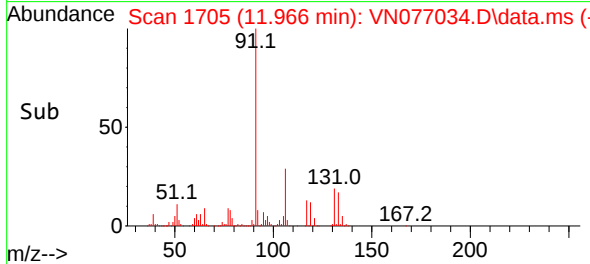
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



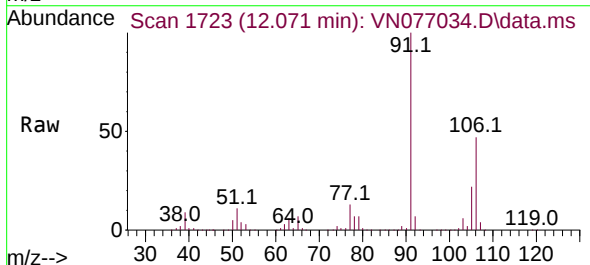
Tgt Ion: 91 Resp: 1169510
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5

Manual Integrations
APPROVED

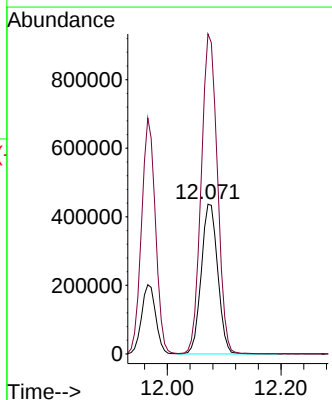
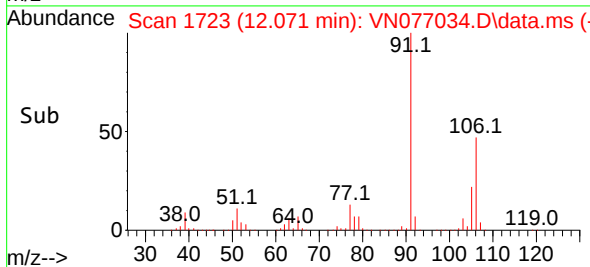
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

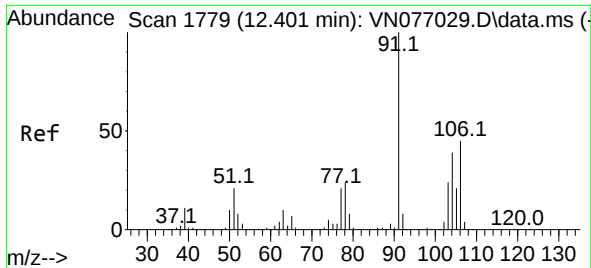


#68
m/p-Xylenes
Concen: 97.362 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion:106 Resp: 876072
Ion Ratio Lower Upper
106 100
91 210.3 168.0 252.0





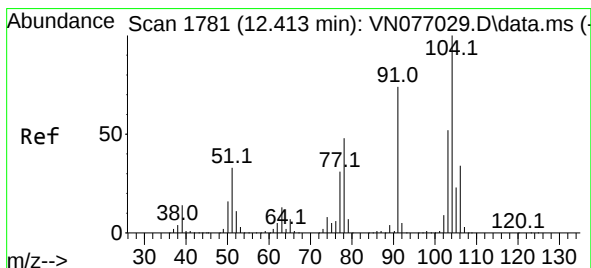
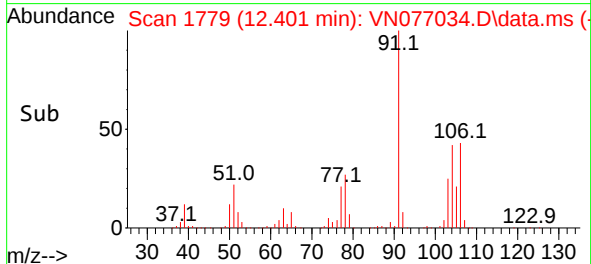
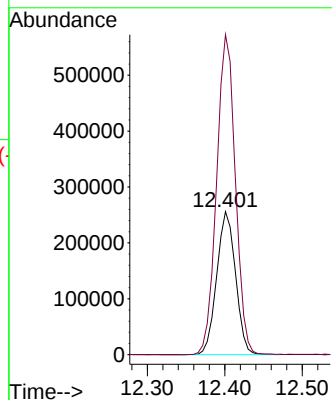
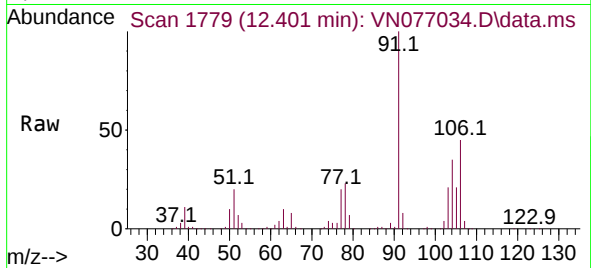
#69
o-Xylene
Concen: 48.326 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 43206
Ion Ratio Lower Upper
106 100
91 223.4 110.3 330.9

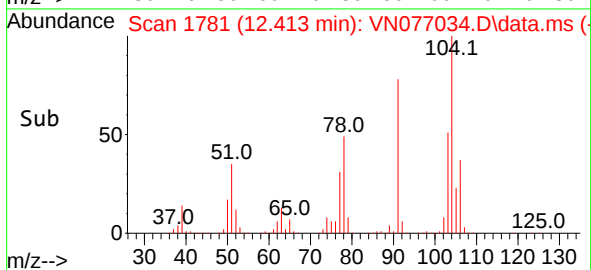
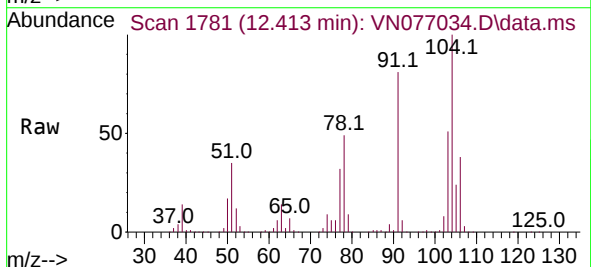
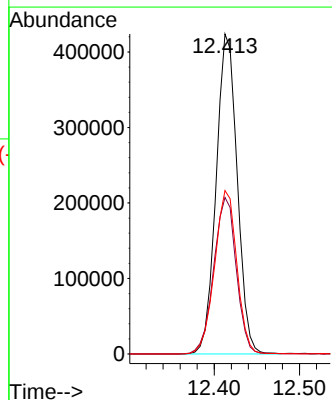
Manual Integrations
APPROVED

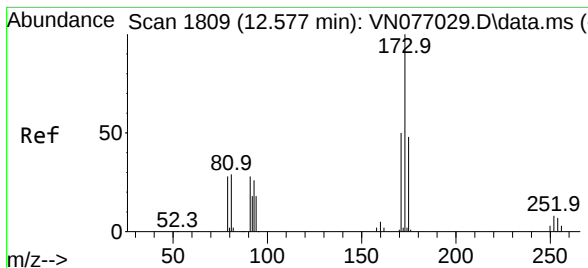
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#70
Styrene
Concen: 52.297 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Tgt Ion:104 Resp: 727957
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 54.1 43.8 65.6





#71

Bromoform

Concen: 51.197 ug/l

RT: 12.577 min Scan# 1809

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 171470

Ion Ratio Lower Upper

173 100

175 48.6 24.5 73.5

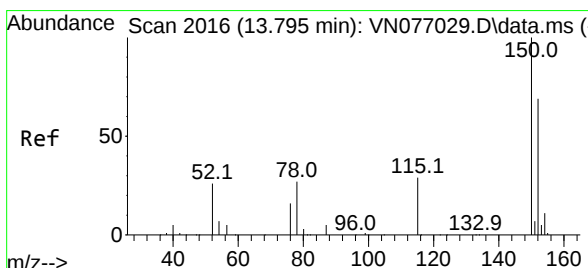
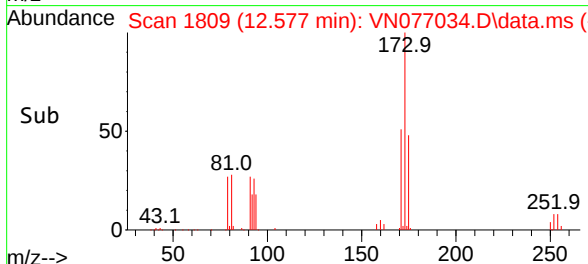
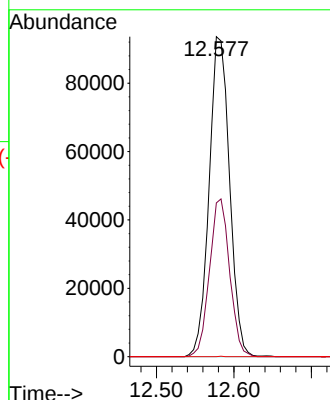
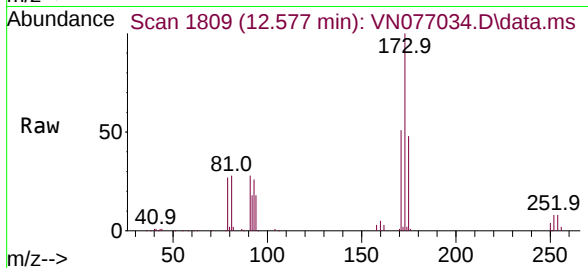
254 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

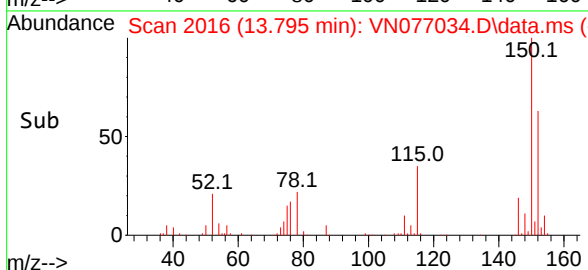
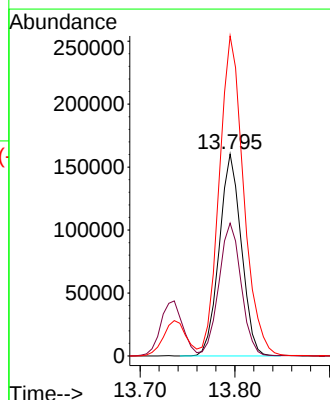
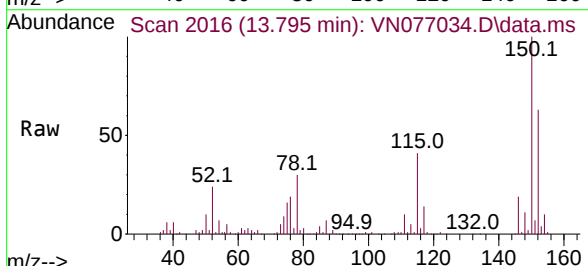
Tgt Ion:152 Resp: 260117

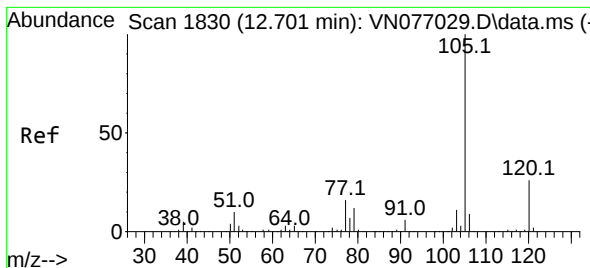
Ion Ratio Lower Upper

152 100

115 66.4 31.9 95.7

150 175.3 0.0 348.0





#73

Isopropylbenzene

Concen: 47.611 ug/l

RT: 12.701 min Scan# 110985

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 110985

Ion Ratio Lower Upper

105 100

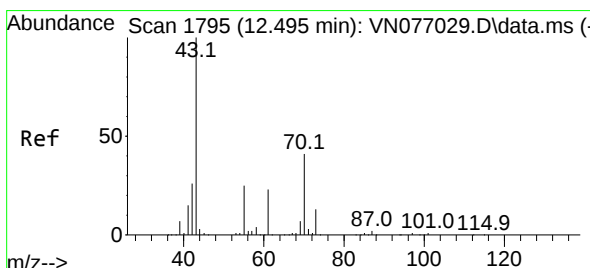
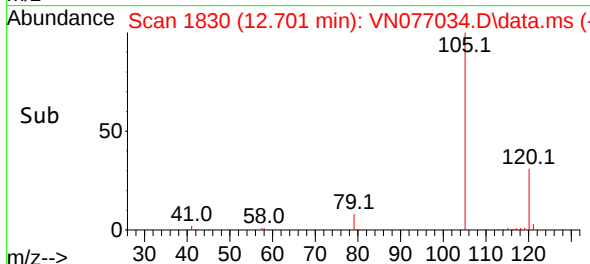
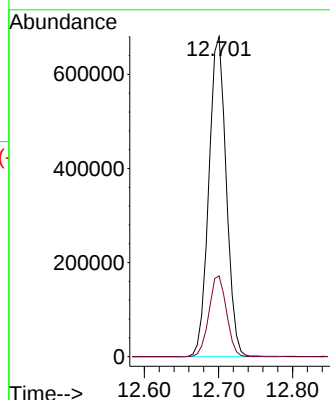
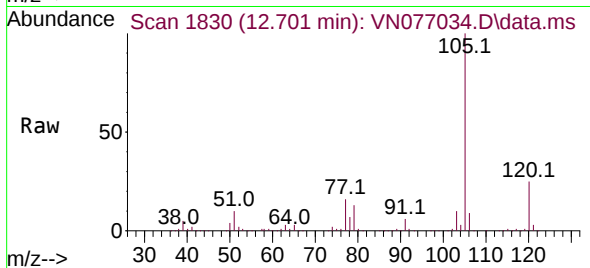
120 25.4 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#74

N-ethyl acetate

Concen: 53.375 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Tgt Ion: 43 Resp: 538544

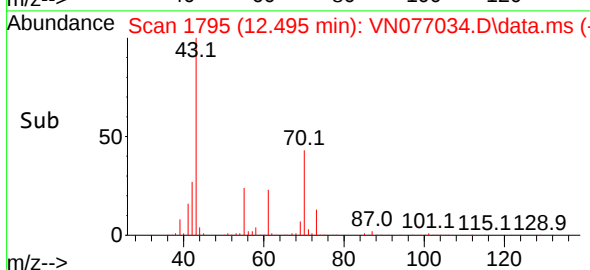
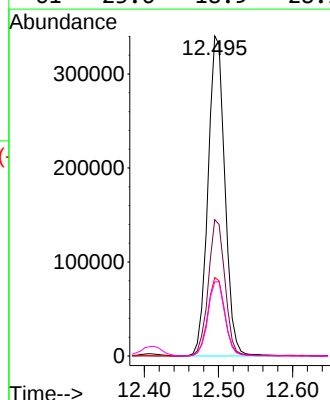
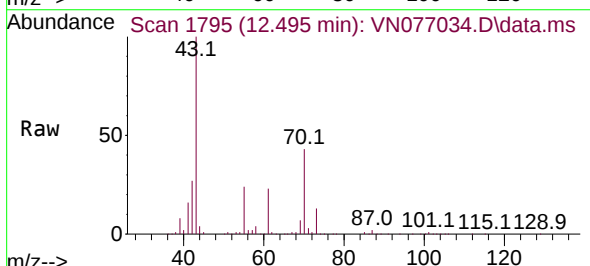
Ion Ratio Lower Upper

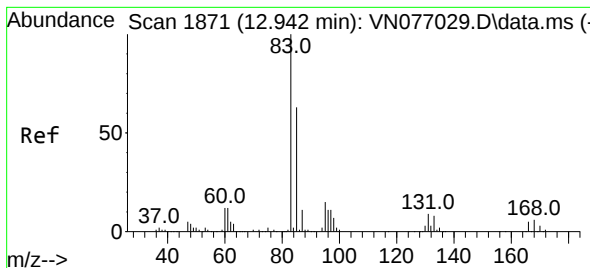
43 100

70 42.1 33.6 50.4

55 24.9 20.3 30.5

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.859 ug/l

RT: 12.942 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 378840

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.7

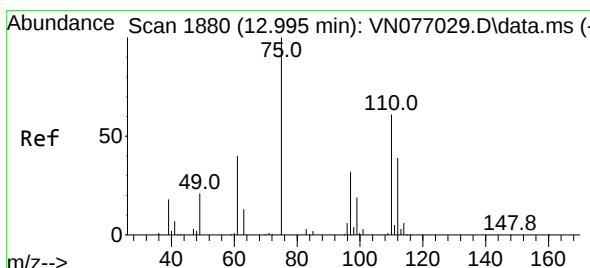
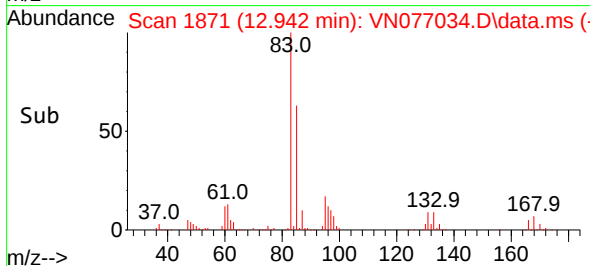
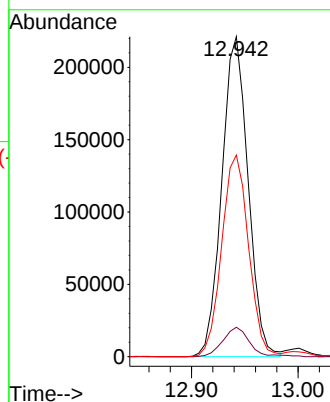
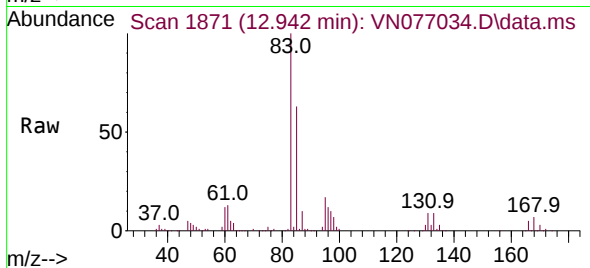
85 64.4 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#76

1,2,3-Trichloropropane

Concen: 45.370 ug/l m

RT: 12.995 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN077034.D

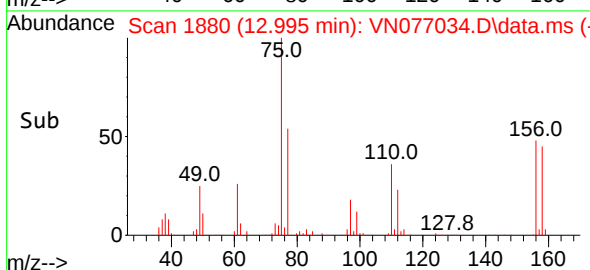
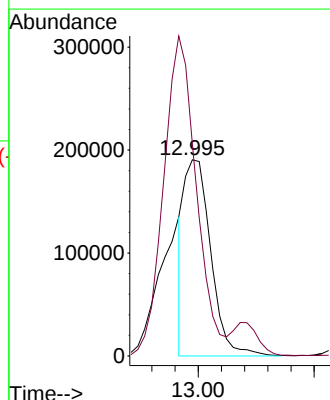
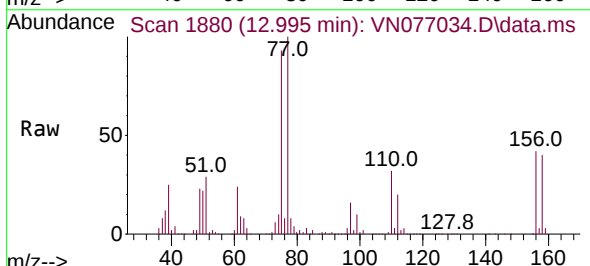
Acq: 17 Mar 2023 14:32

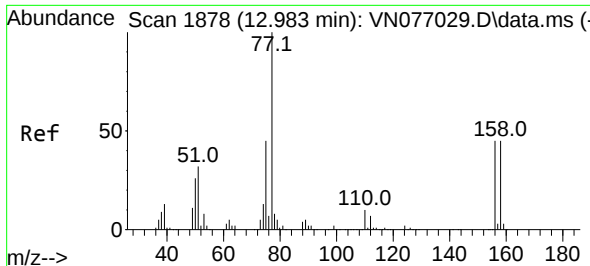
Tgt Ion: 75 Resp: 305261

Ion Ratio Lower Upper

75 100

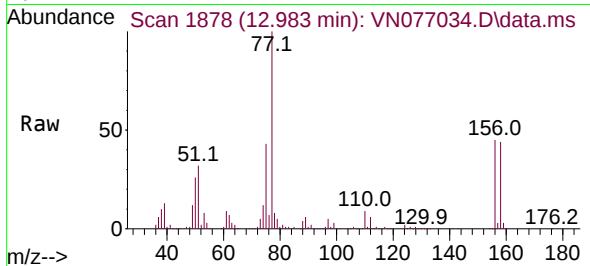
77 199.8 107.3 322.0





#77
Bromobenzene
Concen: 46.710 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

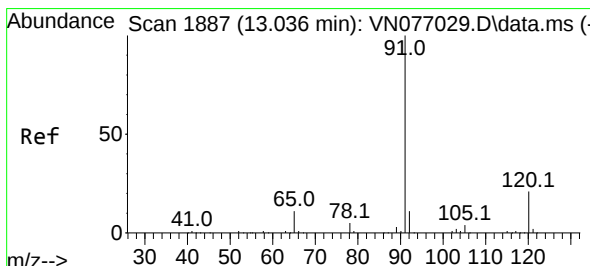
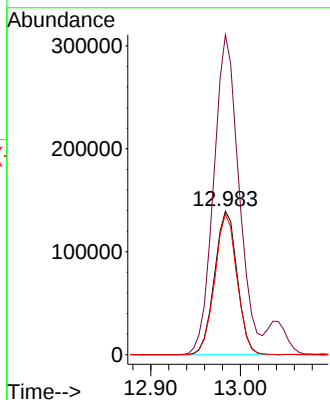
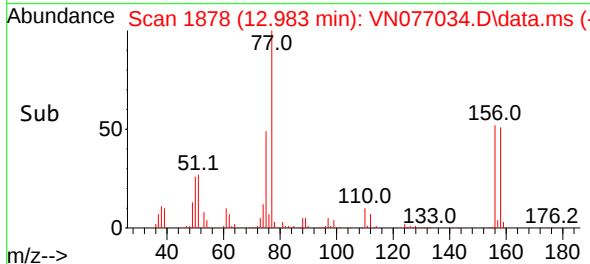
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



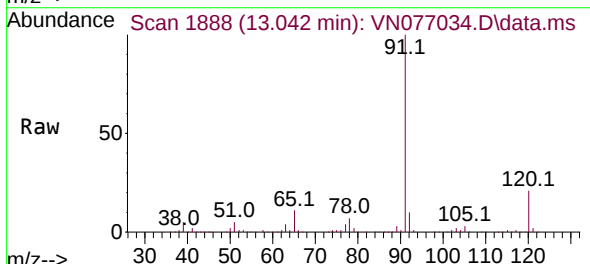
Tgt Ion:156 Resp: 243917
Ion Ratio Lower Upper
156 100
77 250.0 124.8 374.3
158 96.2 48.6 145.9

Manual Integrations
APPROVED

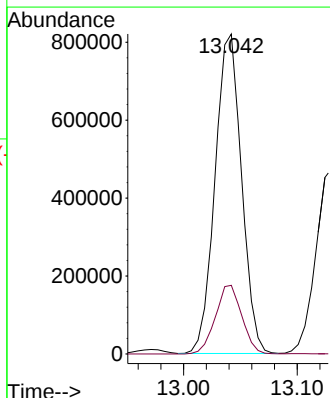
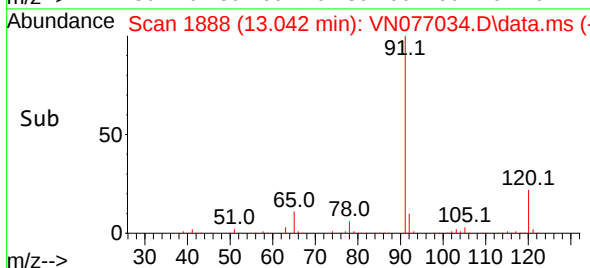
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

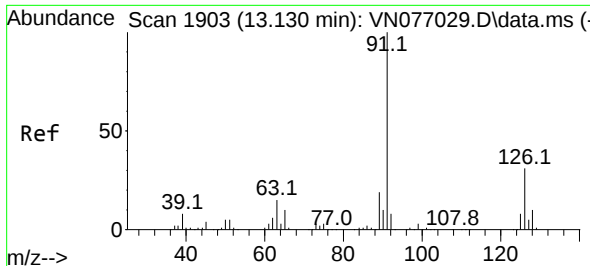


#78
n-propylbenzene
Concen: 49.391 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion: 91 Resp: 1329095
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3





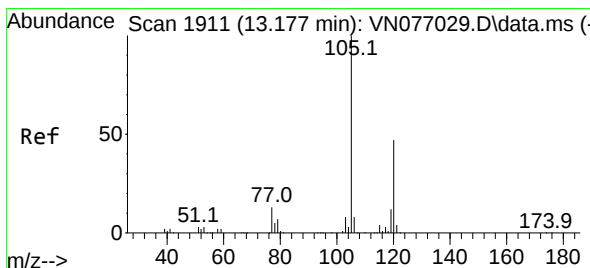
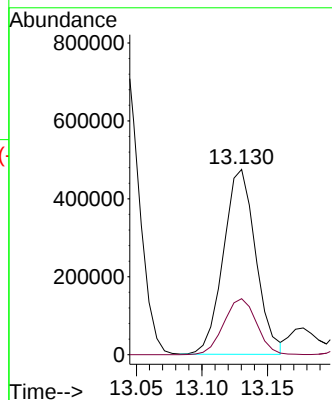
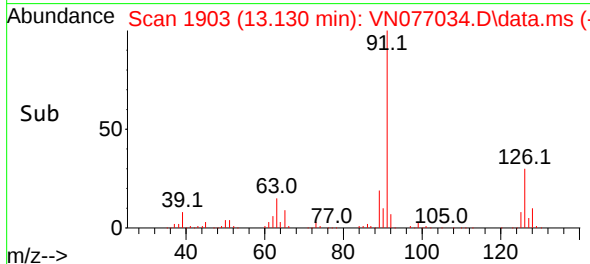
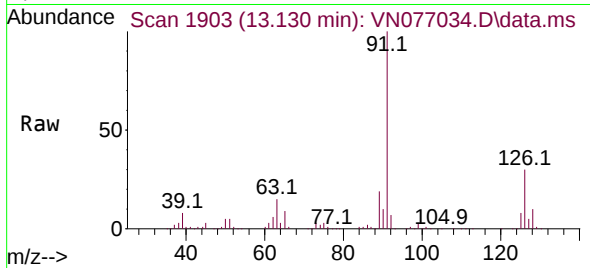
#79
2-Chlorotoluene
Concen: 47.515 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 814728
Ion Ratio Lower Upper
91 100
126 30.7 15.2 45.5

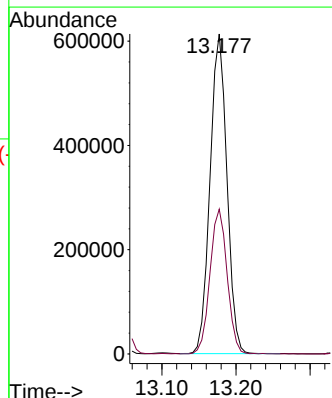
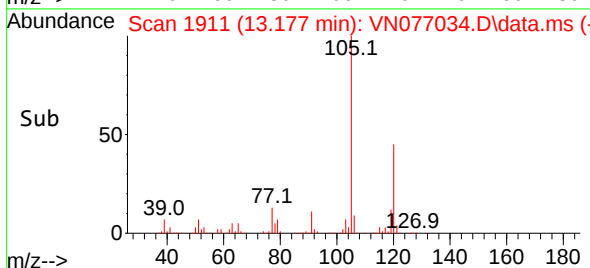
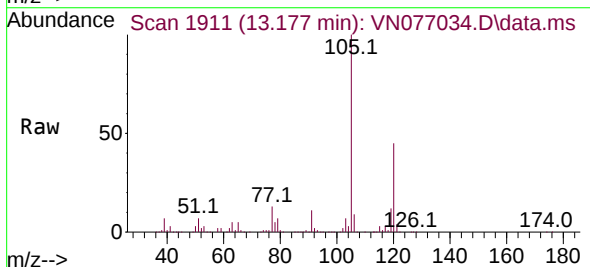
Manual Integrations
APPROVED

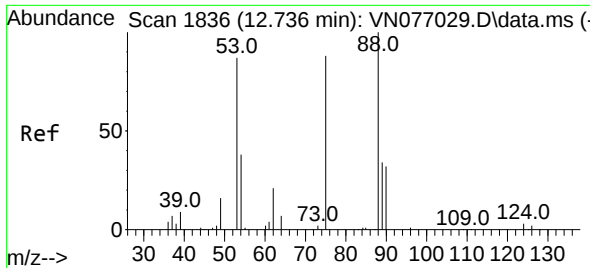
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 49.816 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

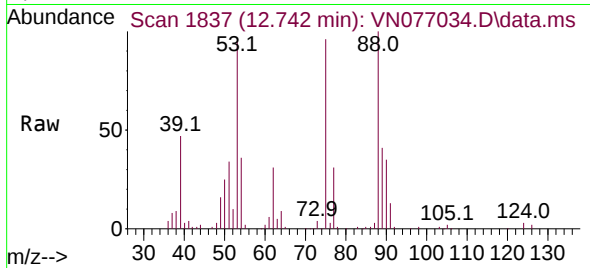
Tgt Ion:105 Resp: 969545
Ion Ratio Lower Upper
105 100
120 45.9 23.4 70.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.245 ug/l
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

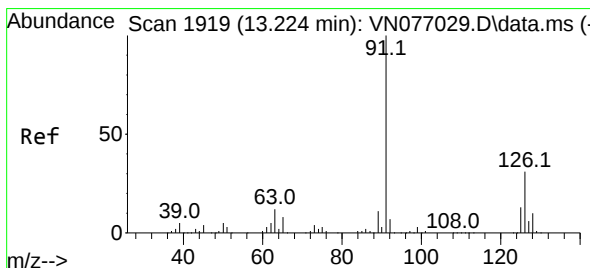
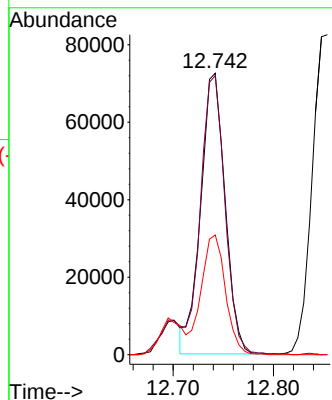
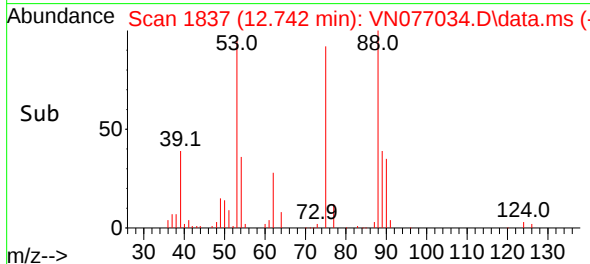
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



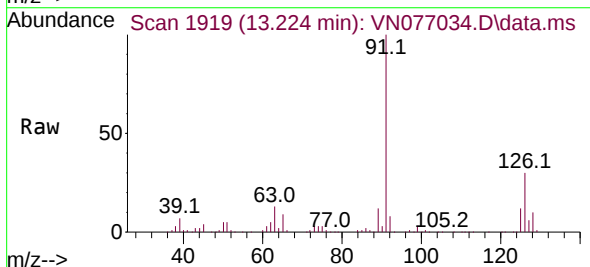
Tgt Ion: 75 Resp: 122818
Ion Ratio Lower Upper
75 100
53 98.3 80.8 121.2
89 42.5 34.2 51.4

Manual Integrations
APPROVED

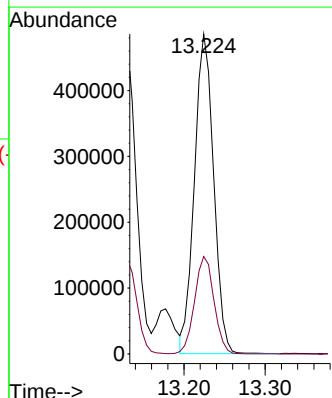
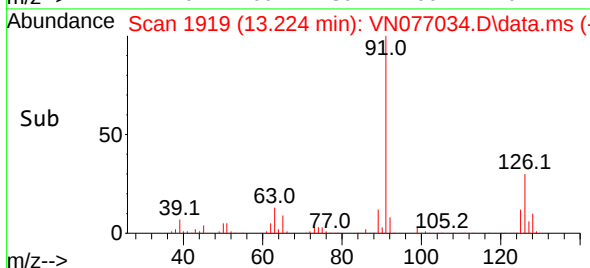
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

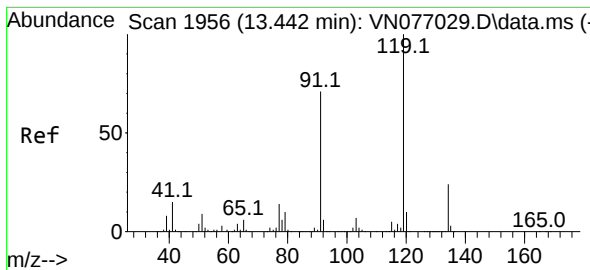


#82
4-Chlorotoluene
Concen: 48.930 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



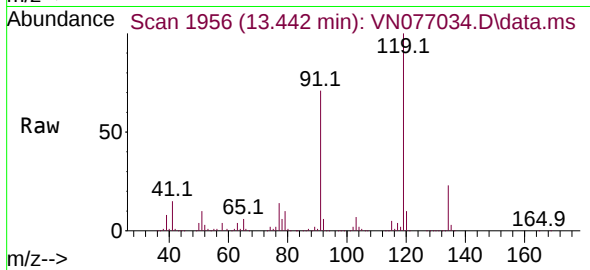
Tgt Ion: 91 Resp: 797822
Ion Ratio Lower Upper
91 100
126 31.0 15.5 46.5





#83
tert-Butylbenzene
Concen: 48.028 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

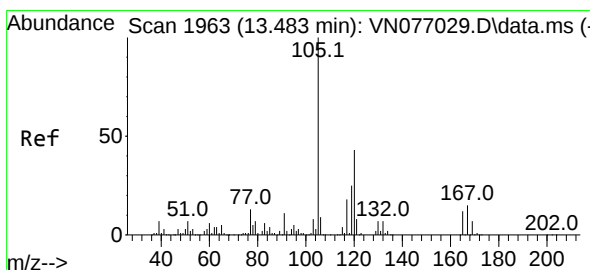
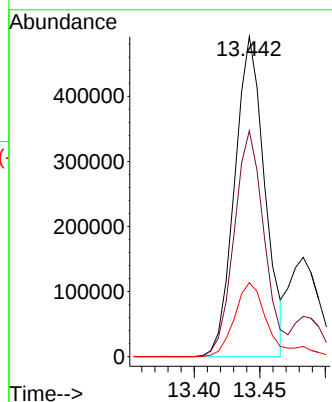
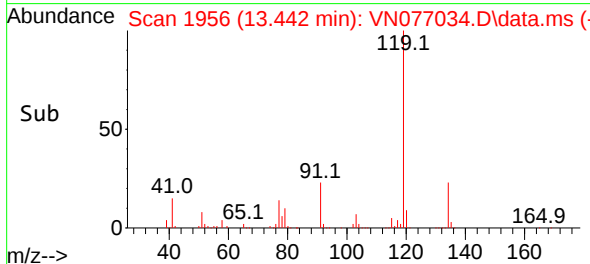
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



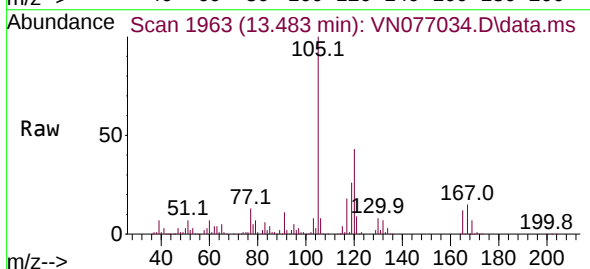
Tgt Ion:119 Resp: 784809
Ion Ratio Lower Upper
119 100
91 71.1 35.8 107.3
134 26.2 13.3 39.8

Manual Integrations
APPROVED

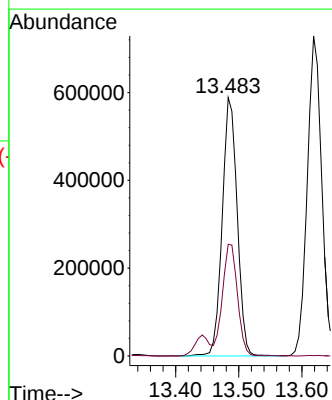
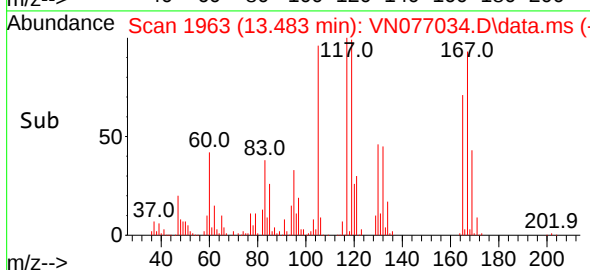
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

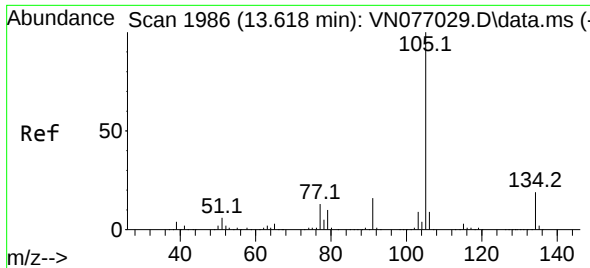


#84
1,2,4-Trimethylbenzene
Concen: 49.915 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



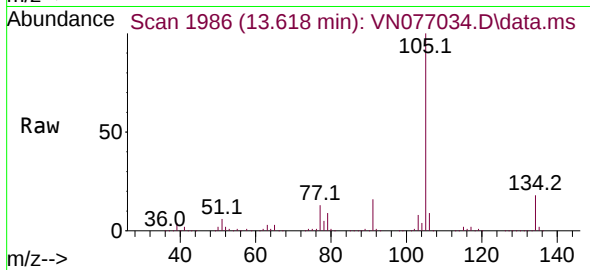
Tgt Ion:105 Resp: 969455
Ion Ratio Lower Upper
105 100
120 43.0 21.8 65.3





#85
 sec-Butylbenzene
 Concen: 49.651 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32

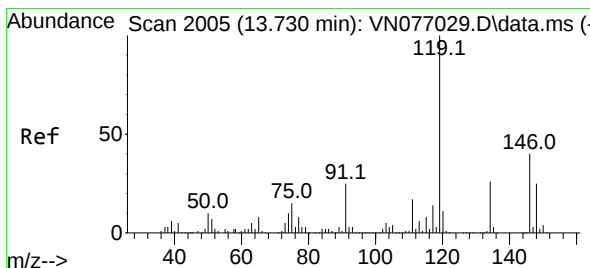
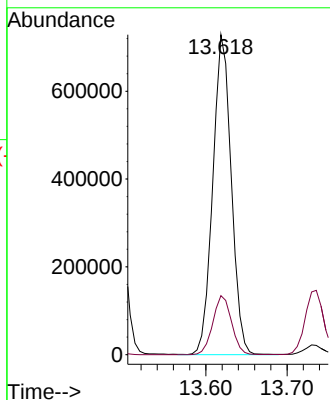
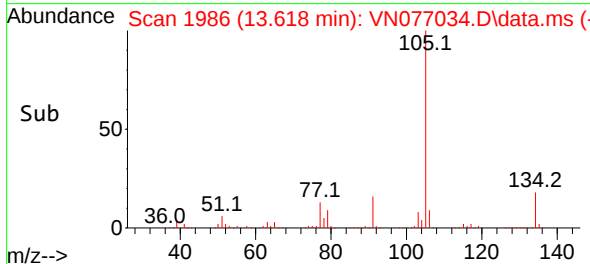
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



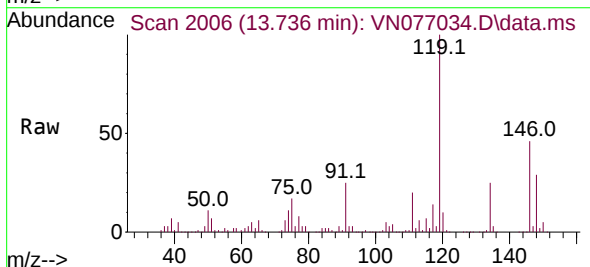
Tgt Ion:105 Resp: 1154134
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.3 27.9

Manual Integrations
 APPROVED

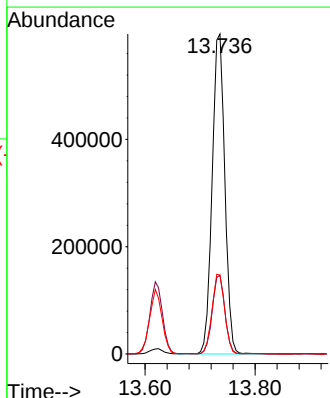
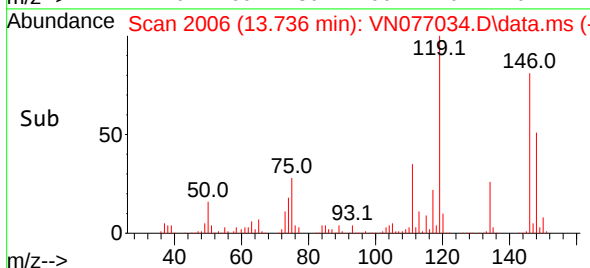
Reviewed By :John Carlone 03/20/2023
 Supervised By :Mahesh Dadoda 03/20/2023

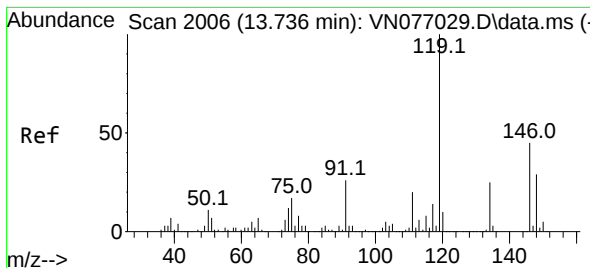


#86
 p-Isopropyltoluene
 Concen: 51.197 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077034.D
 Acq: 17 Mar 2023 14:32



Tgt Ion:119 Resp: 955689
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.4
 91 24.7 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 46.793 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 46182

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.5

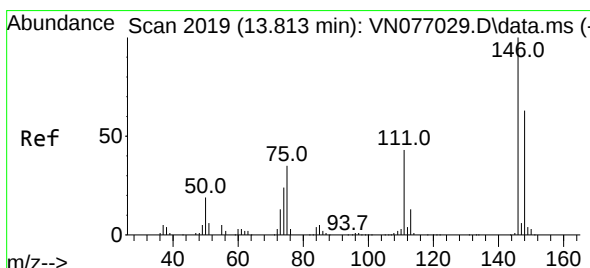
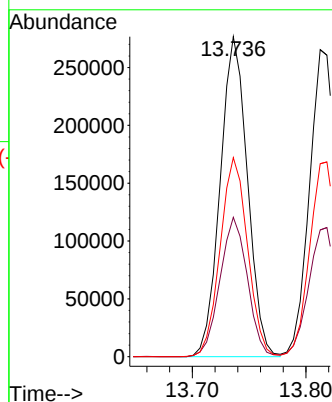
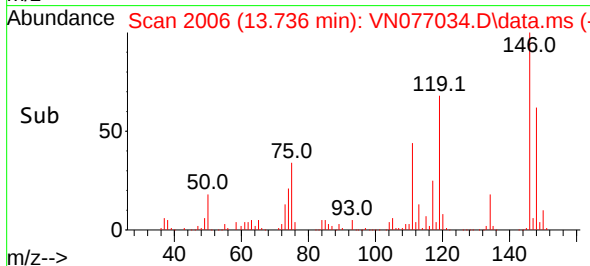
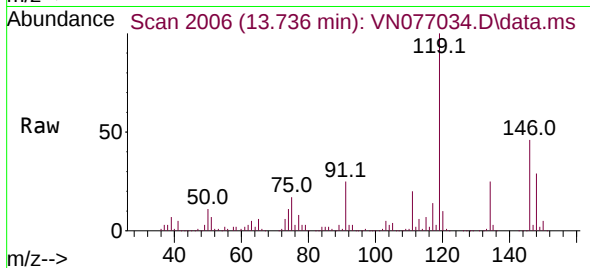
148 62.5 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#88

1,4-Dichlorobenzene

Concen: 45.825 ug/l

RT: 13.813 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

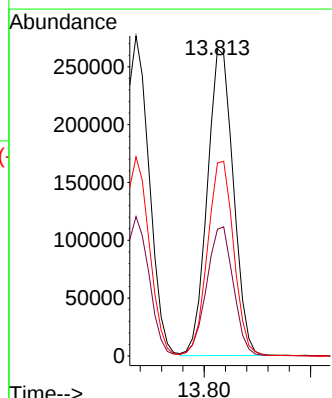
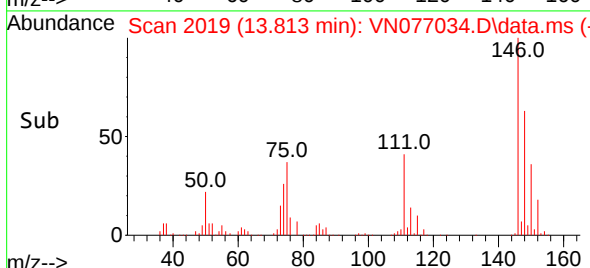
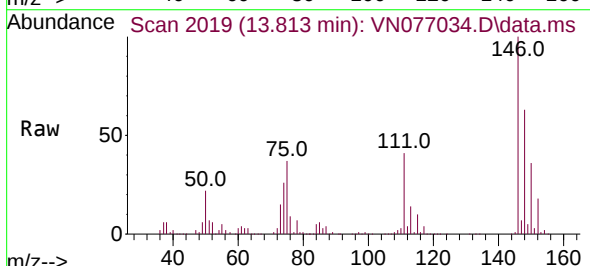
Tgt Ion:146 Resp: 449974

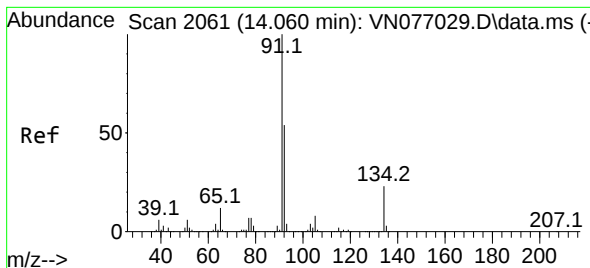
Ion Ratio Lower Upper

146 100

111 43.5 21.5 64.5

148 64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 51.359 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

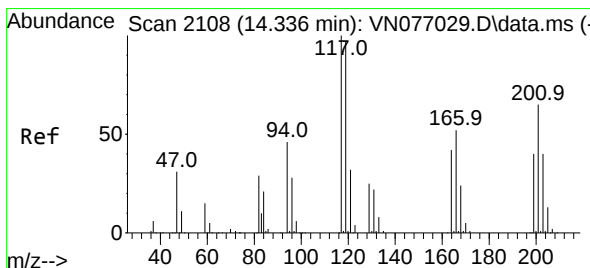
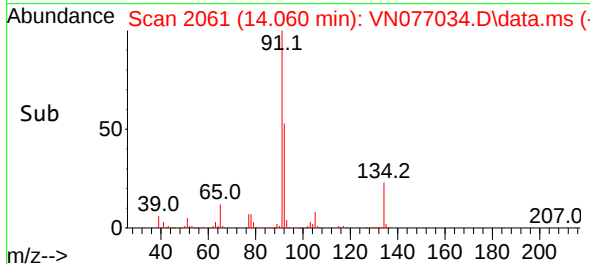
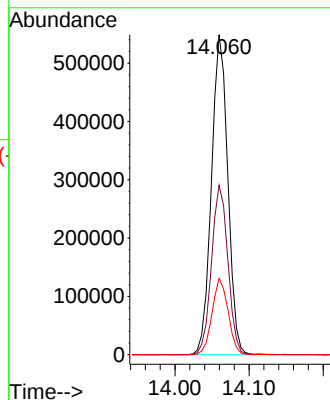
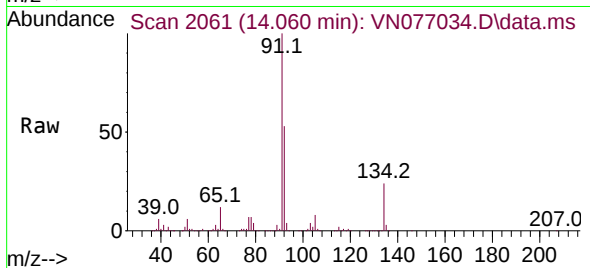
Tgt Ion:	91	Resp:	84105
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.5	79.5
134	23.4	11.7	35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/20/2023

Supervised By :Mahesh Dadoda 03/20/2023



#90

Hexachloroethane

Concen: 45.325 ug/l

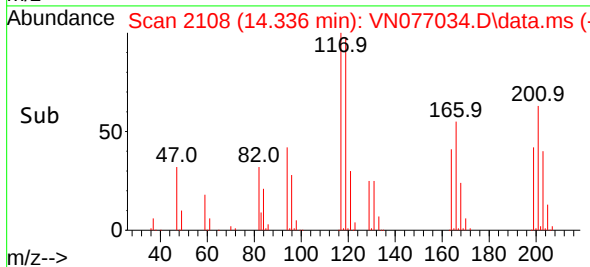
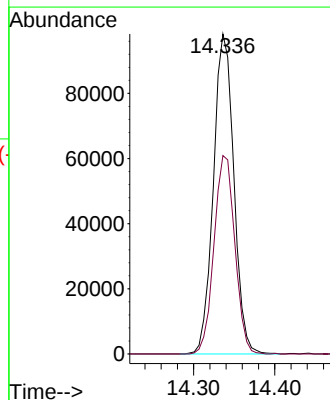
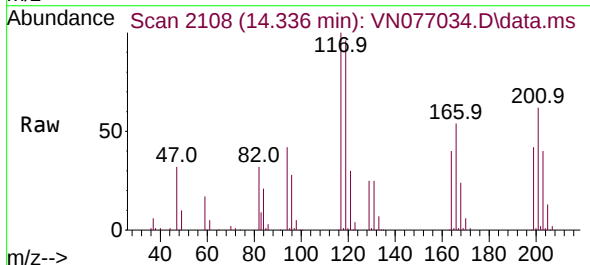
RT: 14.336 min Scan# 2108

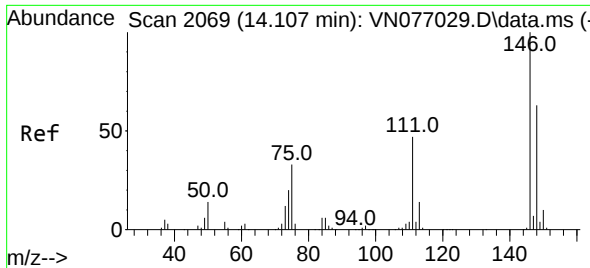
Delta R.T. 0.000 min

Lab File: VN077034.D

Acq: 17 Mar 2023 14:32

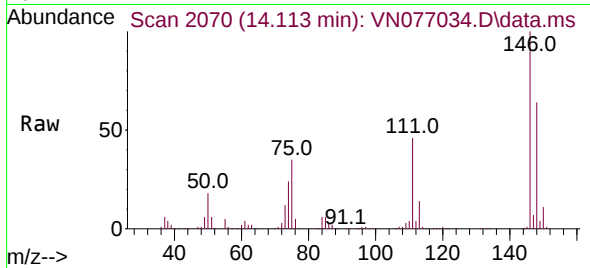
Tgt Ion:	117	Resp:	172019
Ion Ratio	Lower	Upper	
117	100		
201	63.1	32.5	97.4





#91
1,2-Dichlorobenzene
Concen: 46.261 ug/l
RT: 14.113 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

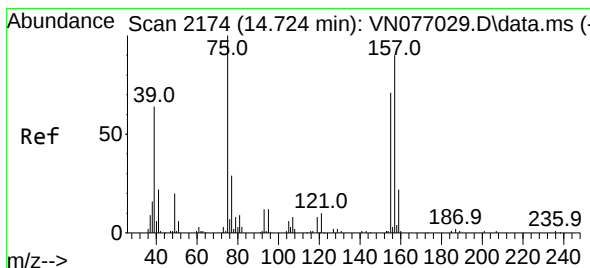
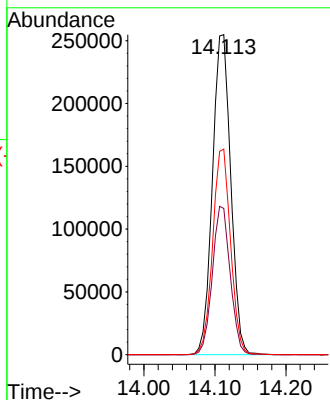
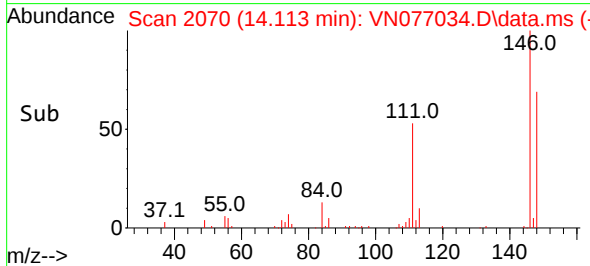
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 45510
Ion Ratio Lower Upper
146 100
111 45.2 22.6 67.7
148 62.9 31.6 95.0

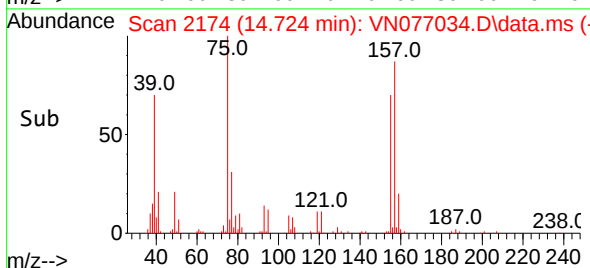
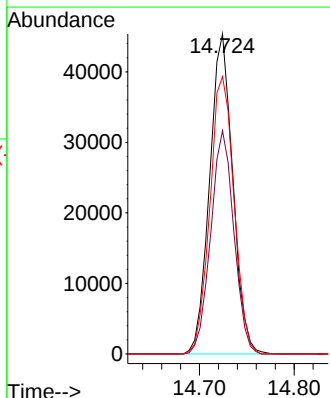
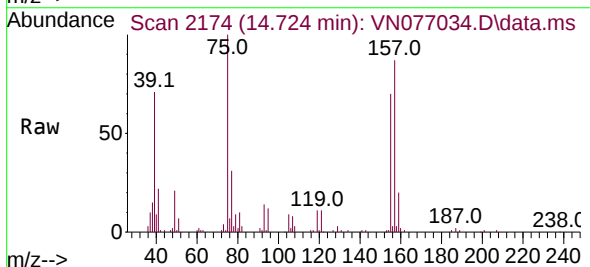
Manual Integrations
APPROVED

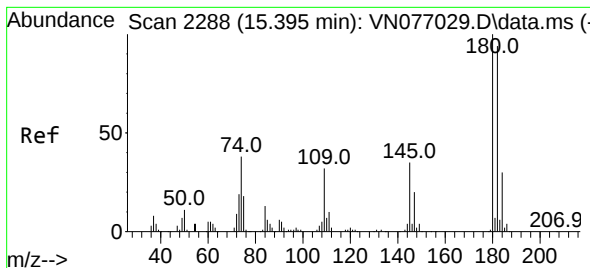
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.099 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

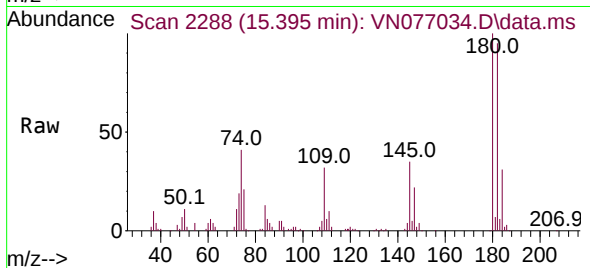
Tgt Ion: 75 Resp: 76834
Ion Ratio Lower Upper
75 100
155 69.7 36.1 108.3
157 90.4 45.8 137.3





#93
1,2,4-Trichlorobenzene
Concen: 52.696 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

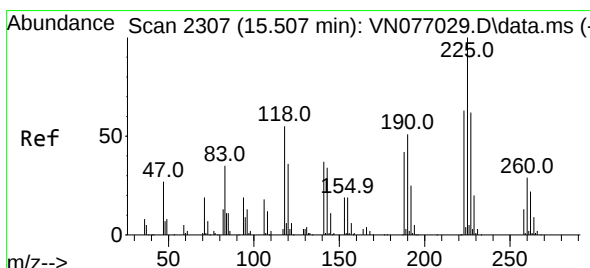
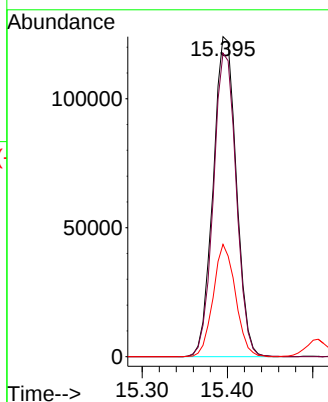
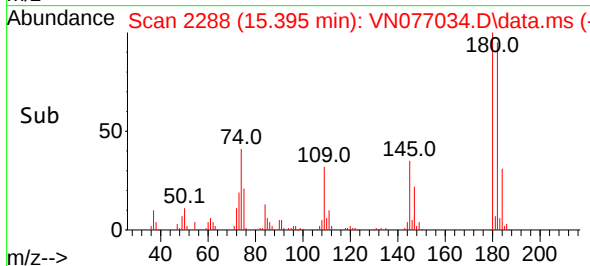
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



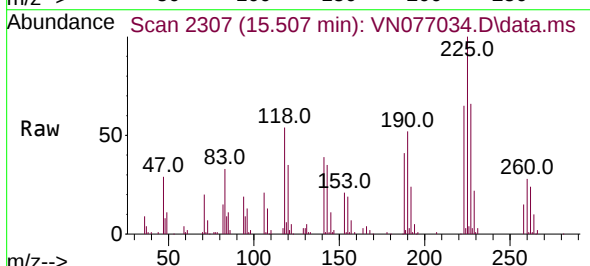
Tgt Ion:180 Resp: 23435
Ion Ratio Lower Upper
180 100
182 93.6 47.3 141.9
145 33.8 16.9 50.7

Manual Integrations
APPROVED

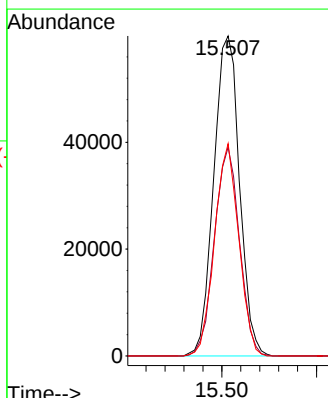
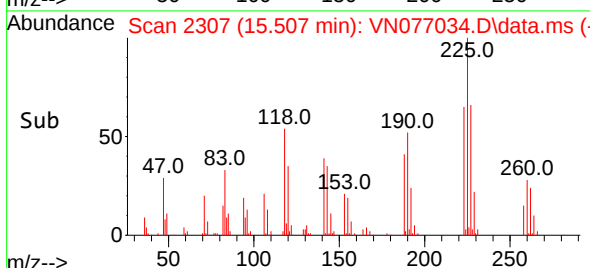
Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

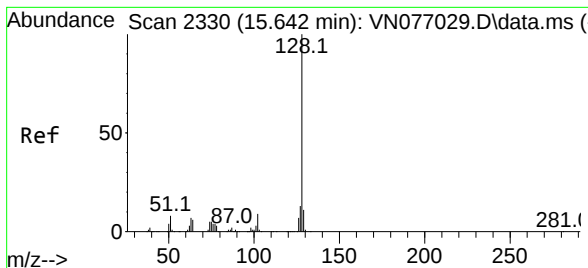


#94
Hexachlorobutadiene
Concen: 46.247 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. -0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



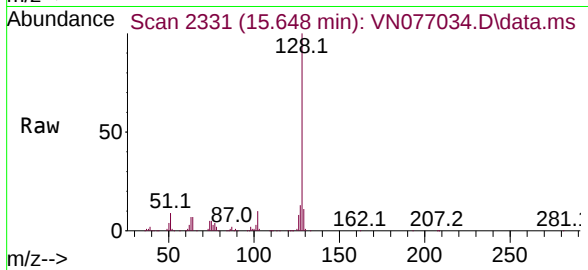
Tgt Ion:225 Resp: 113266
Ion Ratio Lower Upper
225 100
223 63.4 31.6 95.0
227 62.2 31.3 93.8





#95
Naphthalene
Concen: 47.220 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32

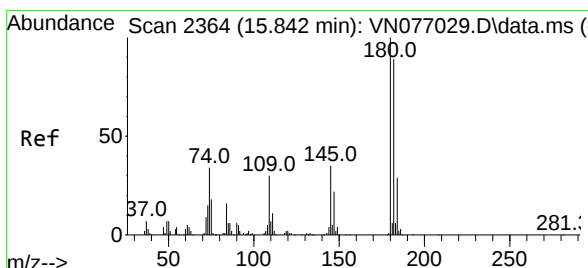
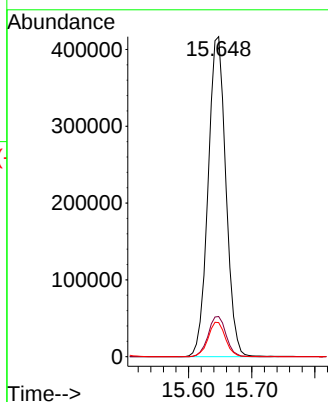
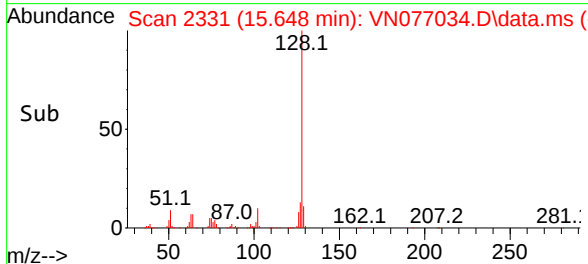
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



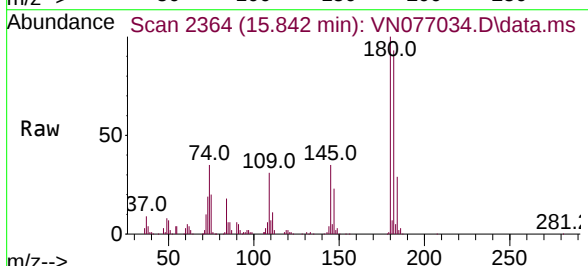
Tgt Ion:128 Resp: 814160
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023



#96
1,2,3-Trichlorobenzene
Concen: 52.901 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: VN077034.D
Acq: 17 Mar 2023 14:32



Tgt Ion:180 Resp: 236063
Ion Ratio Lower Upper
180 100
182 92.6 47.4 142.2
145 35.2 17.9 53.8

