

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077079.D
 Acq On : 20 Mar 2023 19:31
 Operator : JC\MD
 Sample : 01941-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D1-20230313MSD

Quant Time: Mar 21 05:42:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	322250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	563613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	234750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	243723	47.349	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	8.172	113	187299	47.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.900%		
50) Toluene-d8	10.571	98	706914	50.138	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.854	95	262531	52.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	136056	44.563	ug/l	99
3) Chloromethane	2.372	50	148829	45.838	ug/l	98
4) Vinyl Chloride	2.525	62	167925	47.915	ug/l	100
5) Bromomethane	2.948	94	130576	55.160	ug/l	96
6) Chloroethane	3.131	64	149852	67.574	ug/l	96
7) Trichlorofluoromethane	3.507	101	386898	51.317	ug/l	98
8) Diethyl Ether	3.972	74	154264	54.368	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	241485	56.465	ug/l	99
10) Methyl Iodide	4.601	142	265771	55.174	ug/l	97
11) Tert butyl alcohol	5.537	59	238259	317.652	ug/l	98
12) 1,1-Dichloroethene	4.360	96	219057	55.991	ug/l	97
13) Acrolein	4.195	56	248055	267.381	ug/l	99
14) Allyl chloride	5.037	41	409872	57.226	ug/l	95
15) Acrylonitrile	5.731	53	708547	280.996	ug/l	99
16) Acetone	4.437	43	560570	244.411	ug/l	100
17) Carbon Disulfide	4.725	76	559156	49.014	ug/l	100
18) Methyl Acetate	5.037	43	452942	52.371	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	777640	55.382	ug/l	99
20) Methylene Chloride	5.295	84	250338	50.292	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	222625	52.499	ug/l	94
22) Diisopropyl ether	6.684	45	850876	54.221	ug/l	98
23) Vinyl Acetate	6.613	43	2640153	266.610	ug/l	99
24) 1,1-Dichloroethane	6.583	63	471215	52.475	ug/l	100
25) 2-Butanone	7.489	43	926185	276.049	ug/l	100
26) 2,2-Dichloropropane	7.495	77	343640	50.860	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	273618	56.338	ug/l	97
28) Bromochloromethane	7.819	49	186617	47.854	ug/l	99
29) Tetrahydrofuran	7.848	42	626489	288.153	ug/l	99
30) Chloroform	7.972	83	473701	54.350	ug/l	97
31) Cyclohexane	8.266	56	418531	49.696	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	403908	54.221	ug/l	97
36) 1,1-Dichloropropene	8.377	75	339013	54.990	ug/l	98
37) Ethyl Acetate	7.566	43	363441	55.099	ug/l	100
38) Carbon Tetrachloride	8.372	117	341326	56.841	ug/l	99
39) Methylcyclohexane	9.607	83	420255	58.239	ug/l	99
40) Benzene	8.613	78	1030518	55.117	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	195013m	54.881	ug/l	
42) 1,2-Dichloroethane	8.677	62	365864	54.152	ug/l	98
43) Isopropyl Acetate	8.695	43	585497	56.822	ug/l	98
44) Trichloroethene	9.354	130	1254991	292.225	ug/l	97
45) 1,2-Dichloropropane	9.624	63	277273	55.837	ug/l	98
46) Dibromomethane	9.713	93	172958	55.227	ug/l	99
47) Bromodichloromethane	9.889	83	359357	54.710	ug/l	99
48) Methyl methacrylate	9.683	41	296947	60.281	ug/l	99
49) 1,4-Dioxane	9.701	88	105937	1259.111	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1887687	294.187	ug/l	98
52) Toluene	10.636	92	637993	57.150	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	382505	59.417	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	412924	56.849	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	255858	58.122	ug/l	97
56) Ethyl methacrylate	10.877	69	410579	62.026	ug/l	98
57) 1,3-Dichloropropane	11.166	76	444973	55.211	ug/l	99
59) 2-Hexanone	11.201	43	1395877	299.927	ug/l	100
60) Dibromochloromethane	11.366	129	258236	58.399	ug/l	99
61) 1,2-Dibromoethane	11.471	107	252797	57.910	ug/l	99
64) Tetrachloroethene	11.107	164	182214	53.272	ug/l	95
65) Chlorobenzene	11.895	112	642978	54.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	238050	54.862	ug/l	99
67) Ethyl Benzene	11.966	91	1236335	58.044	ug/l	99
68) m/p-Xylenes	12.071	106	920119	116.480	ug/l	100
69) o-Xylene	12.401	106	457549	58.294	ug/l	100
70) Styrene	12.413	104	748639	61.264	ug/l	100
71) Bromoform	12.583	173	176407	59.998	ug/l #	100
73) Isopropylbenzene	12.701	105	1194157	56.763	ug/l	100
74) N-amyl acetate	12.495	43	506874	55.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	389003	51.039	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	308014m	50.726	ug/l	
77) Bromobenzene	12.983	156	257243	54.585	ug/l	96
78) n-propylbenzene	13.042	91	1410832	58.093	ug/l	100
79) 2-Chlorotoluene	13.130	91	857090	55.386	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	1030033	58.643	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	122142	55.368	ug/l	98
82) 4-Chlorotoluene	13.224	91	834983	56.743	ug/l	99
83) tert-Butylbenzene	13.442	119	846864	57.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1025861	58.527	ug/l	99
85) sec-Butylbenzene	13.618	105	1234907	58.867	ug/l	99
86) p-Isopropyltoluene	13.730	119	1000138	59.368	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	477201	53.577	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	467704	52.778	ug/l	100
89) n-Butylbenzene	14.059	91	872389	59.029	ug/l	100
90) Hexachloroethane	14.336	117	184511	53.870	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	474987	53.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	79177	56.063	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	240978	60.042	ug/l	100
94) Hexachlorobutadiene	15.506	225	115714	52.352	ug/l	98
95) Naphthalene	15.648	128	840318	53.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	240120	59.625	ug/l	99

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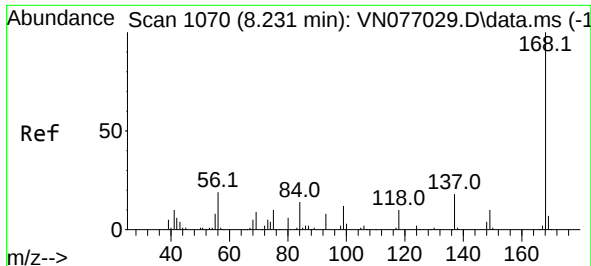
Manual Integrations
APPROVED

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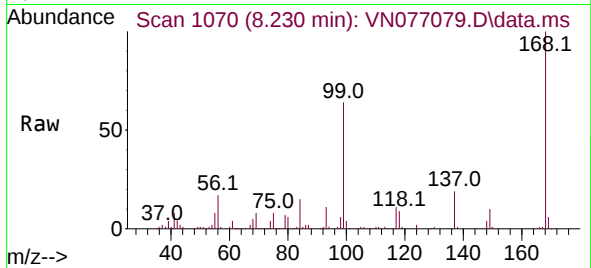
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
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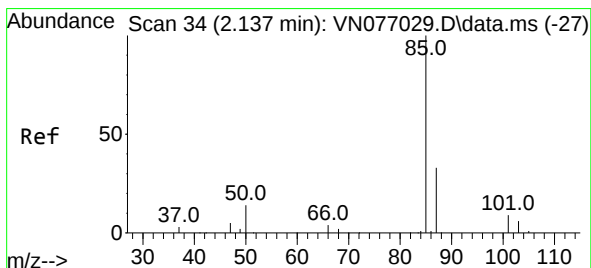
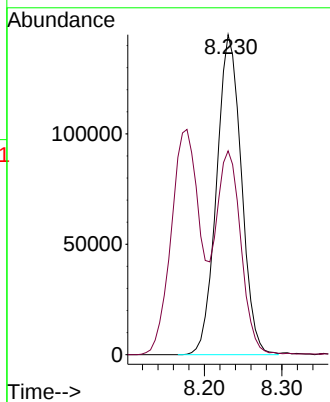
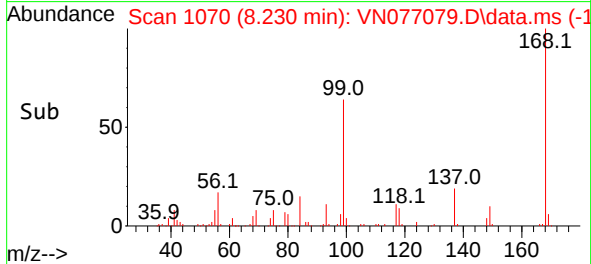
Instrument :
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ClientSampleId :
TT180D1-20230313MSD



Tgt Ion:168 Resp: 322250
Ion Ratio Lower Upper
168 100
99 63.2 53.9 80.9

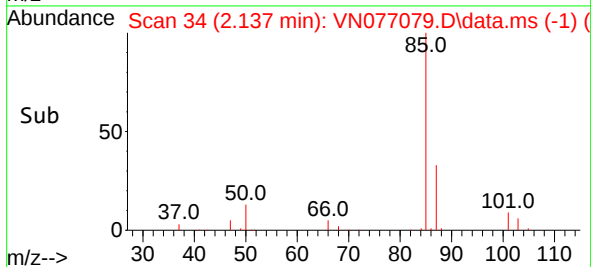
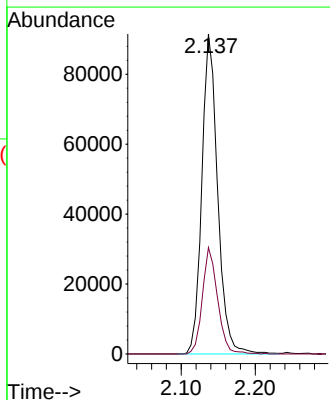
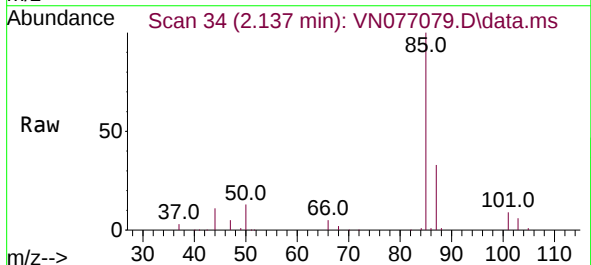
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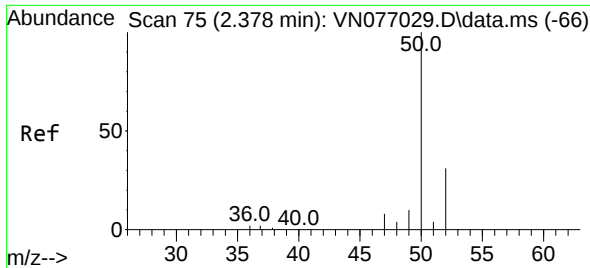
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#2
Dichlorodifluoromethane
Concen: 44.563 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 85 Resp: 136056
Ion Ratio Lower Upper
85 100
87 33.2 16.4 49.2





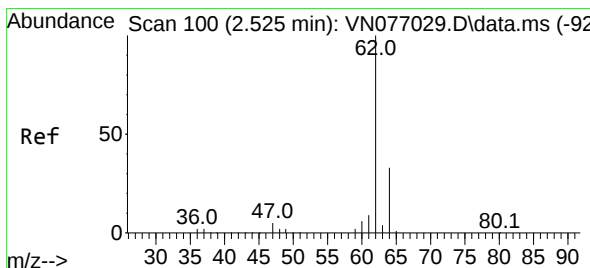
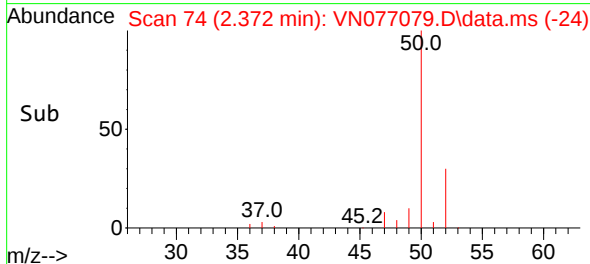
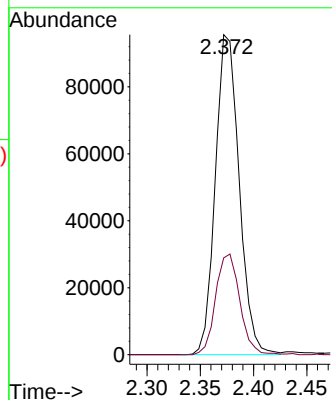
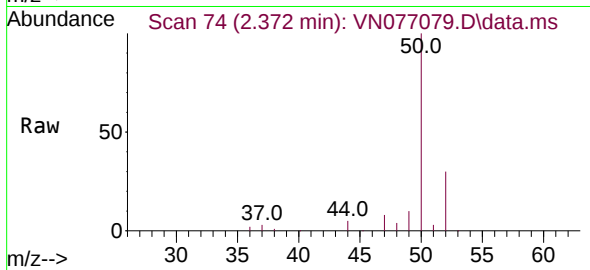
#3
Chloromethane
Concen: 45.838 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077079.D
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Tgt Ion: 50 Resp: 148829
Ion Ratio Lower Upper
50 100
52 30.3 25.1 37.7

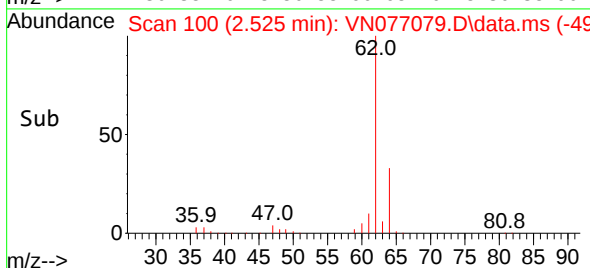
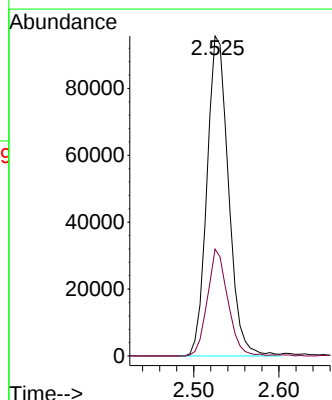
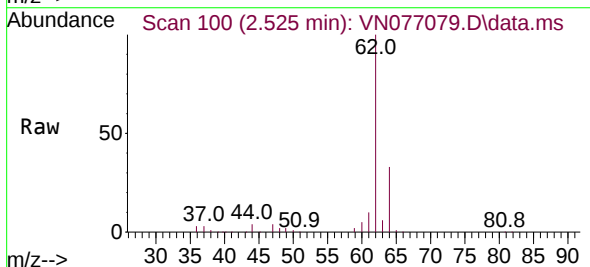
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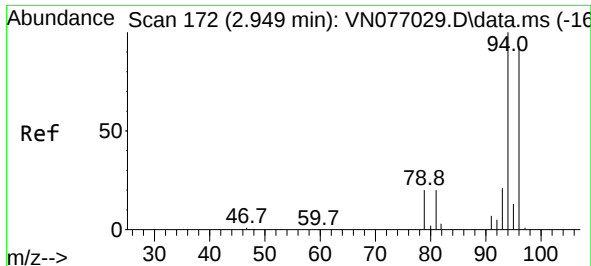
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#4
Vinyl Chloride
Concen: 47.915 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 62 Resp: 167925
Ion Ratio Lower Upper
62 100
64 33.4 26.6 40.0





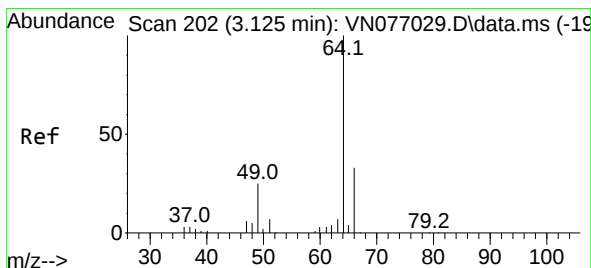
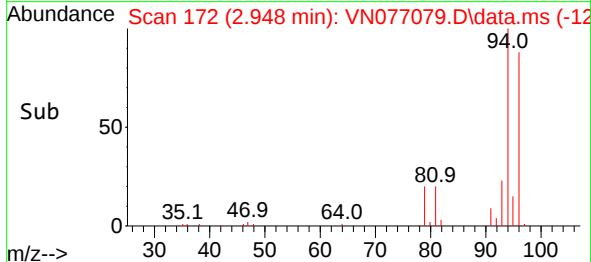
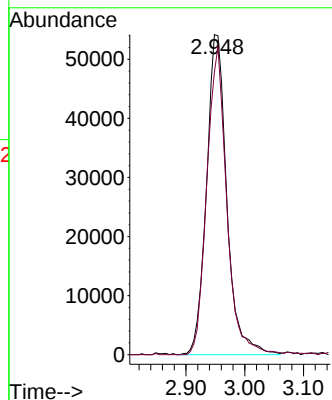
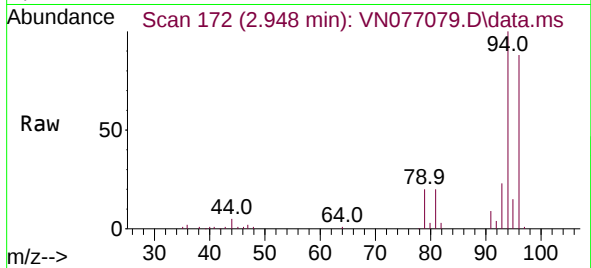
#5
Bromomethane
Concen: 55.160 ug/l
RT: 2.948 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077079.D
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Tgt Ion: 94 Resp: 130570
Ion Ratio Lower Upper
94 100
96 88.4 74.1 111.1

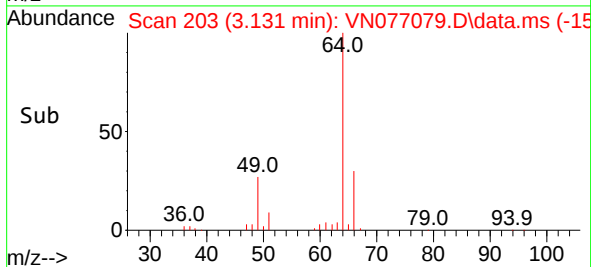
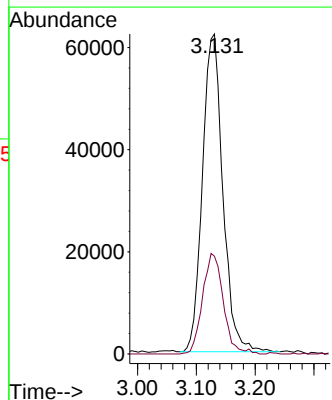
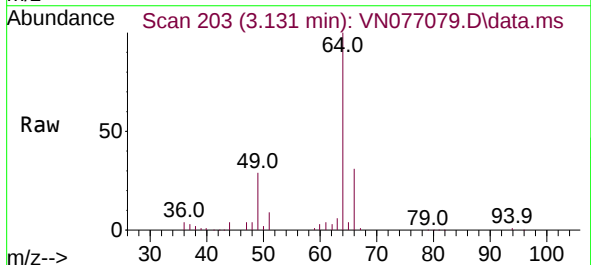
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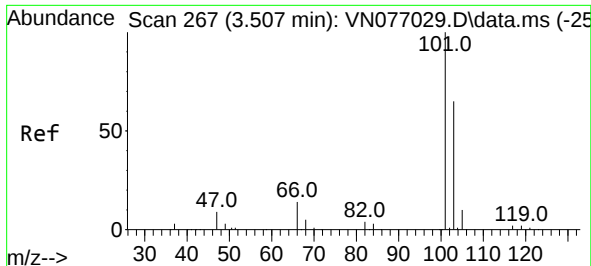
Reviewed By :John Carlone 03/21/2023
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#6
Chloroethane
Concen: 67.574 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

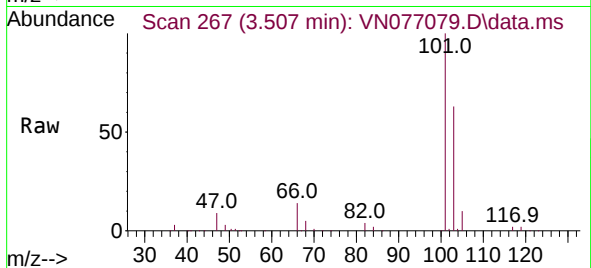
Tgt Ion: 64 Resp: 149852
Ion Ratio Lower Upper
64 100
66 30.8 26.3 39.5





#7
Trichlorofluoromethane
Concen: 51.317 ug/l
RT: 3.507 min Scan# 267
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

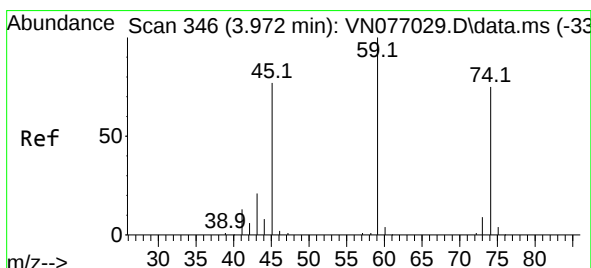
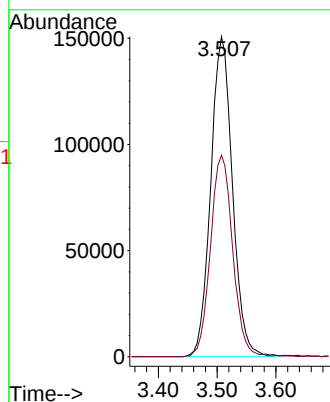
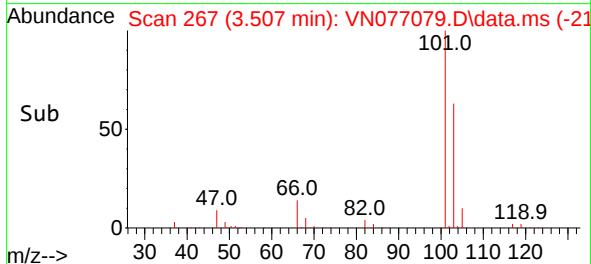
Instrument :
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TT180D1-20230313MSD



Tgt Ion:101 Resp: 386898
Ion Ratio Lower Upper
101 100
103 62.9 51.8 77.6

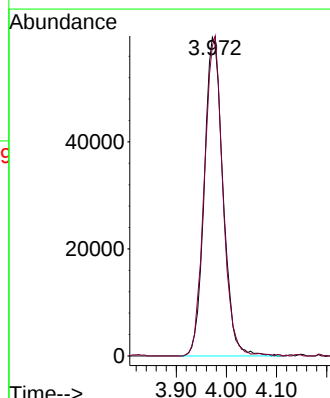
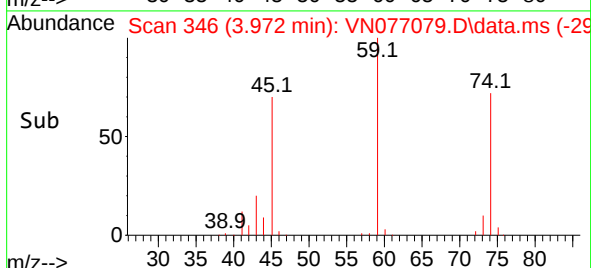
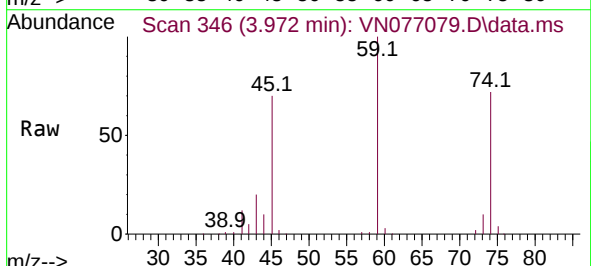
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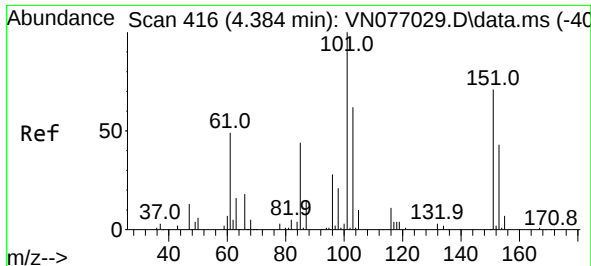
Reviewed By :John Carlone 03/21/2023
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#8
Diethyl Ether
Concen: 54.368 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN077079.D
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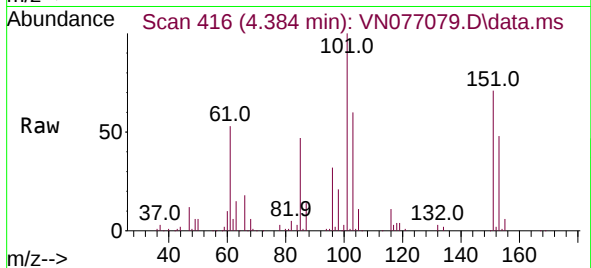
Tgt Ion: 74 Resp: 154264
Ion Ratio Lower Upper
74 100
45 99.1 50.8 152.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.465 ug/l
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN077079.D
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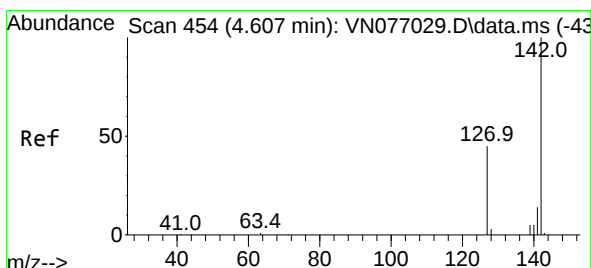
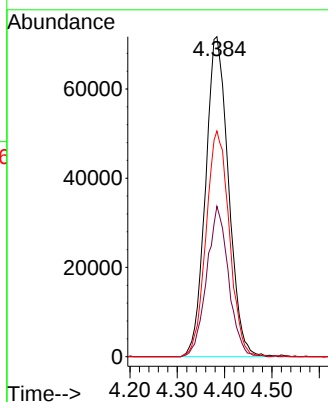
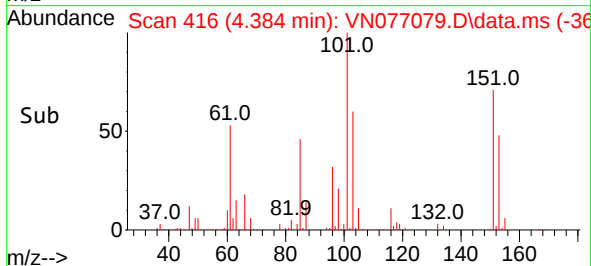
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion:101 Resp: 241485
Ion Ratio Lower Upper
101 100
85 44.7 36.6 55.0
151 71.5 56.9 85.3

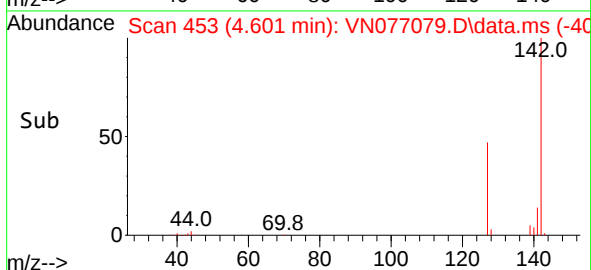
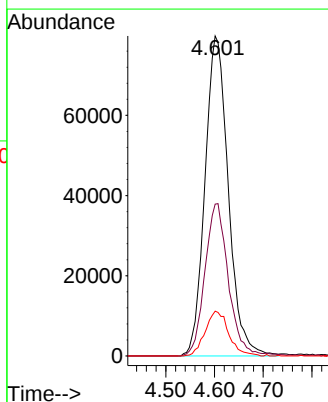
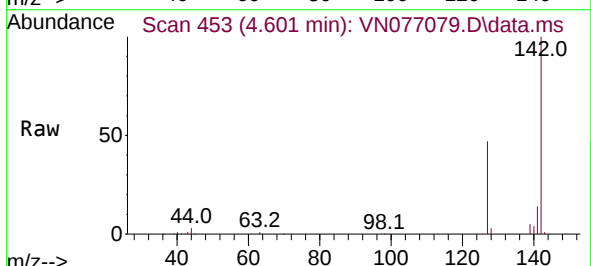
Manual Integrations
APPROVED

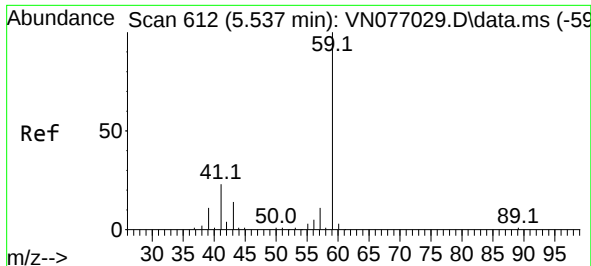
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#10
Methyl Iodide
Concen: 55.174 ug/l
RT: 4.601 min Scan# 453
Delta R.T. -0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

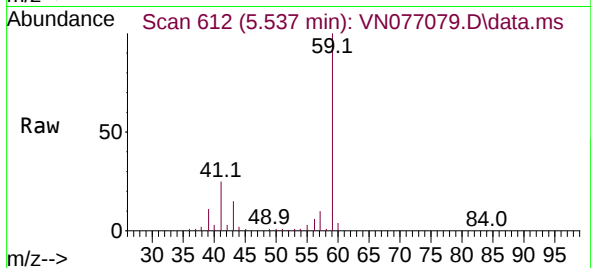
Tgt Ion:142 Resp: 265771
Ion Ratio Lower Upper
142 100
127 47.5 36.1 54.1
141 14.0 10.8 16.2





#11
Tert butyl alcohol
Concen: 317.652 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

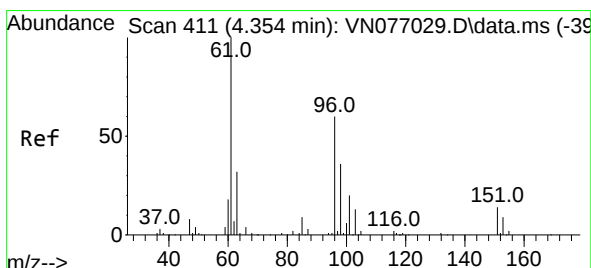
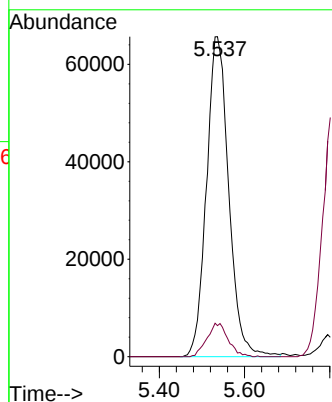
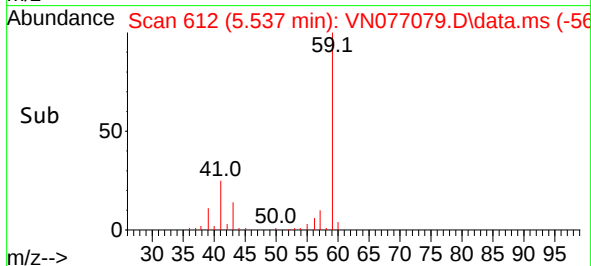
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



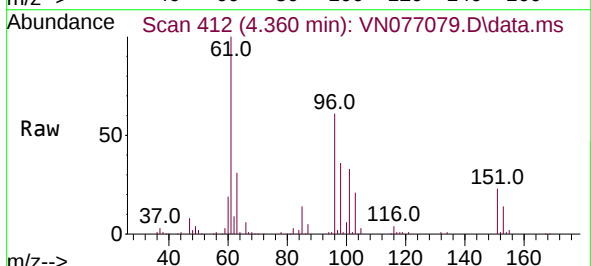
Tgt Ion: 59 Resp: 238259
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

Manual Integrations
APPROVED

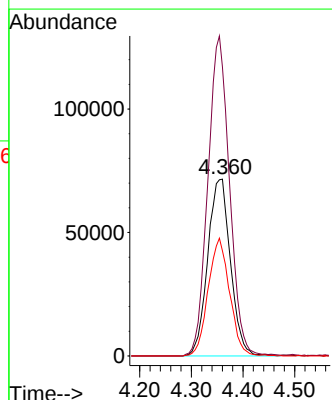
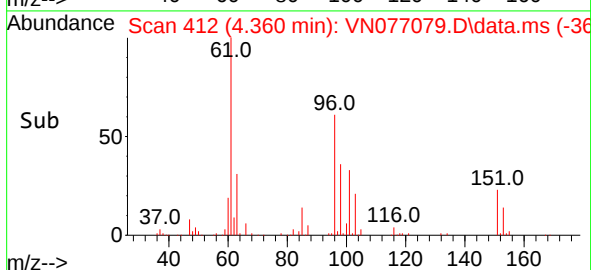
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

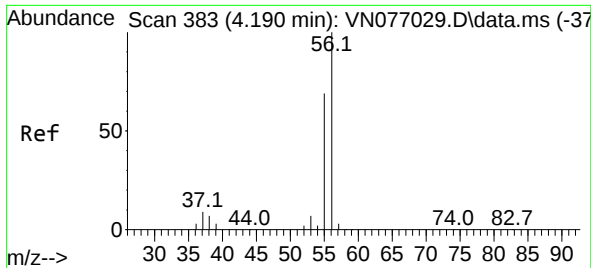


#12
1,1-Dichloroethene
Concen: 55.991 ug/l
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



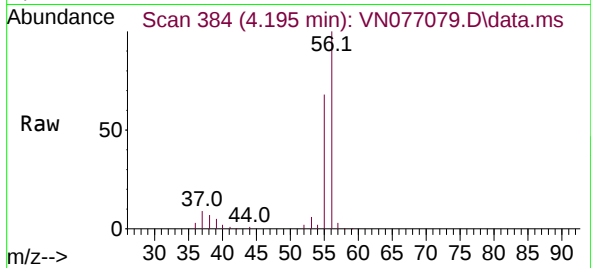
Tgt Ion: 96 Resp: 219057
Ion Ratio Lower Upper
96 100
61 163.4 133.8 200.8
98 59.4 48.6 72.8





#13
Acrolein
Concen: 267.381 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

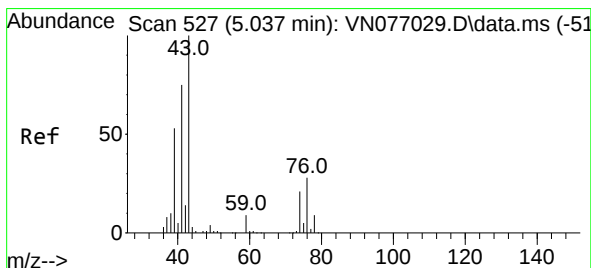
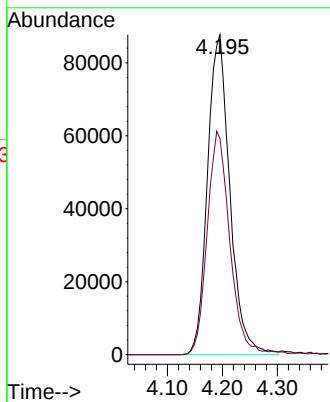
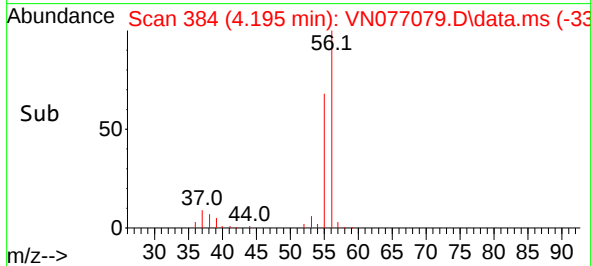
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 56 Resp: 24805
Ion Ratio Lower Upper
56 100
55 70.7 57.0 85.6

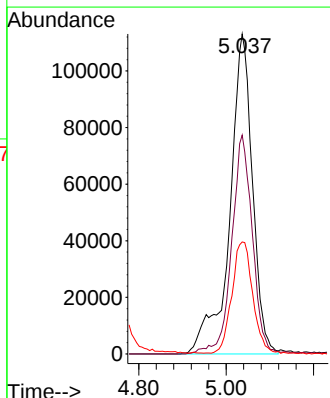
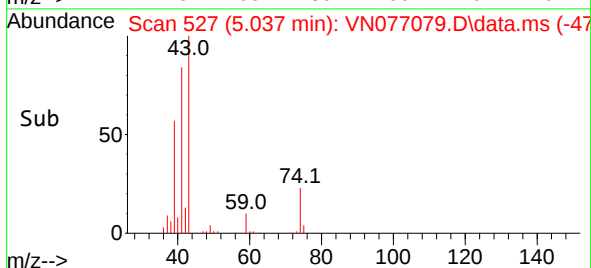
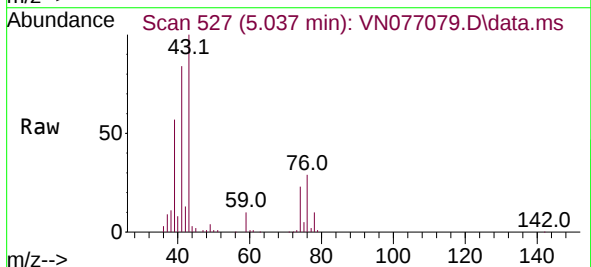
Manual Integrations
APPROVED

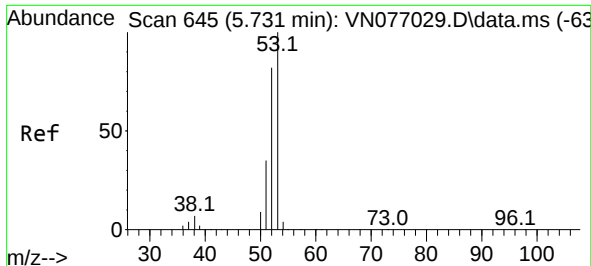
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#14
Allyl chloride
Concen: 57.226 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

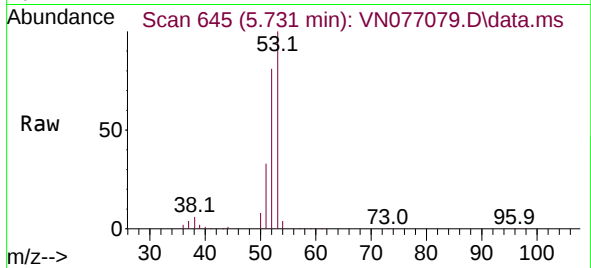
Tgt Ion: 41 Resp: 409872
Ion Ratio Lower Upper
41 100
39 61.8 53.8 80.8
76 32.0 26.7 40.1





#15
Acrylonitrile
Concen: 280.996 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

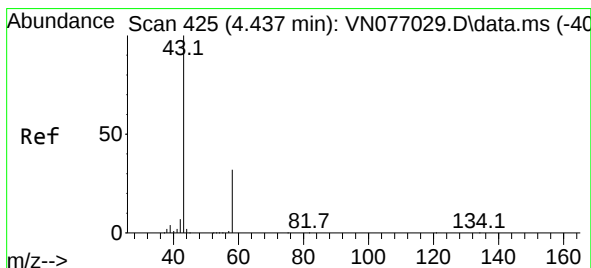
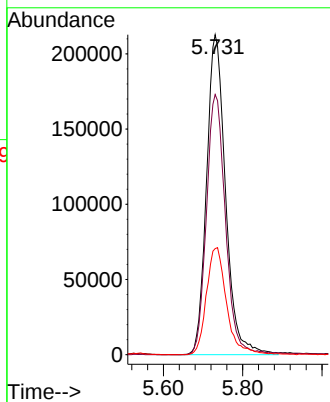
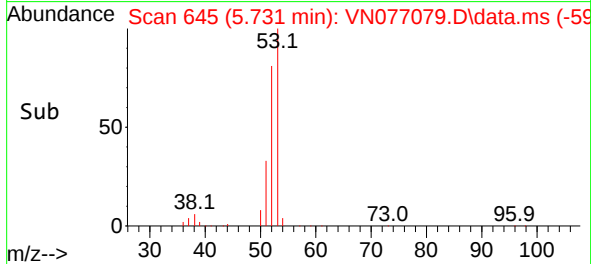
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 53 Resp: 70854
Ion Ratio Lower Upper
53 100
52 81.7 64.6 97.0
51 35.3 28.3 42.5

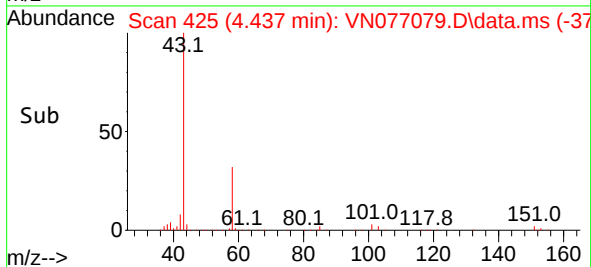
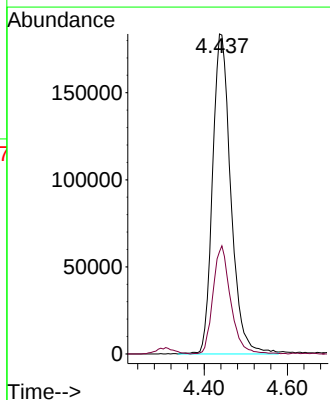
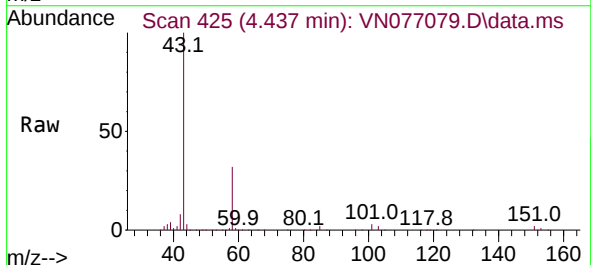
Manual Integrations
APPROVED

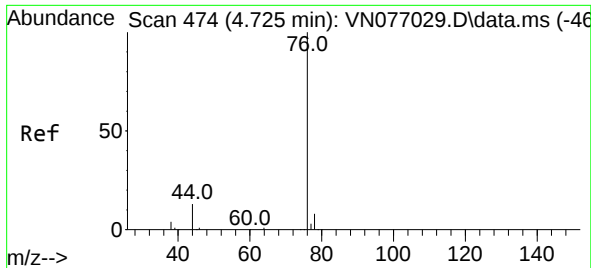
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#16
Acetone
Concen: 244.411 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

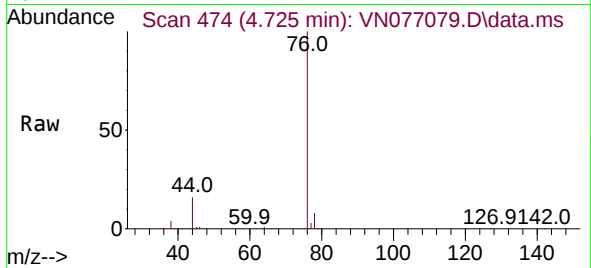
Tgt Ion: 43 Resp: 560570
Ion Ratio Lower Upper
43 100
58 31.7 25.4 38.0





#17
Carbon Disulfide
Concen: 49.014 ug/l
RT: 4.725 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

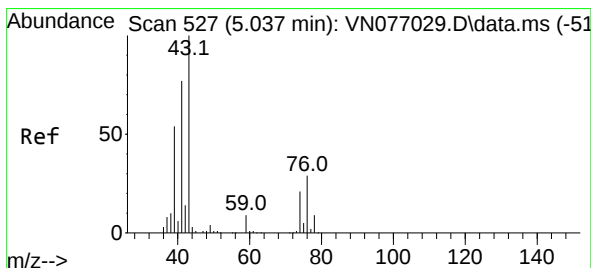
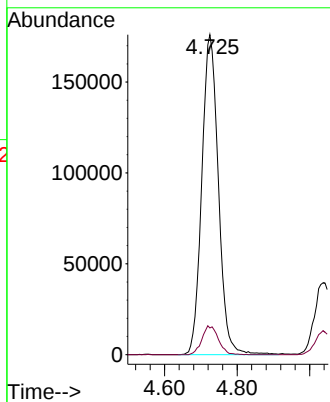
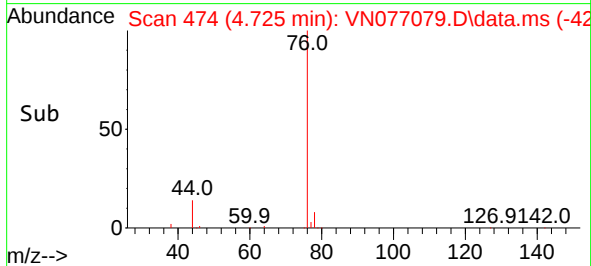
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 76 Resp: 55915
Ion Ratio Lower Upper
76 100
78 8.3 6.6 10.0

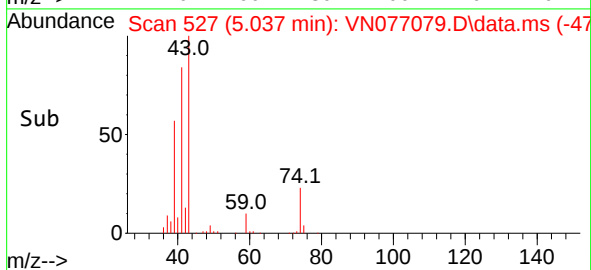
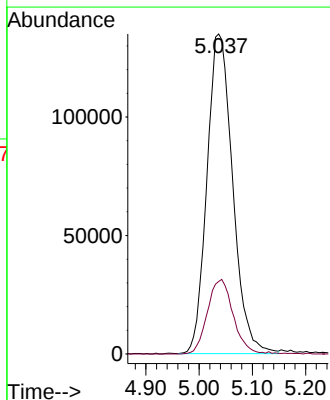
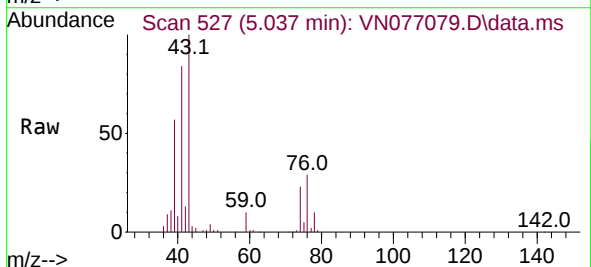
Manual Integrations
APPROVED

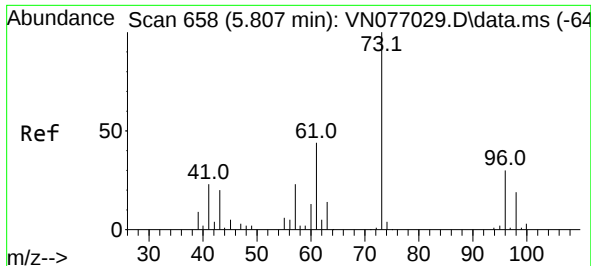
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#18
Methyl Acetate
Concen: 52.371 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 43 Resp: 452942
Ion Ratio Lower Upper
43 100
74 23.2 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 55.382 ug/l

RT: 5.807 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion: 73 Resp: 777640

Ion Ratio Lower Upper

73 100

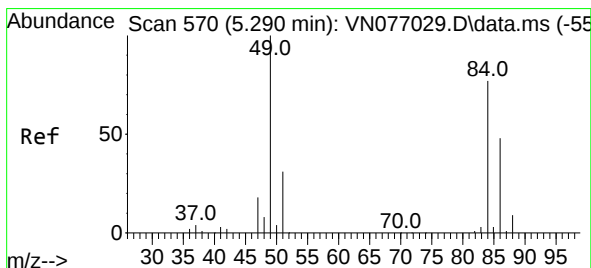
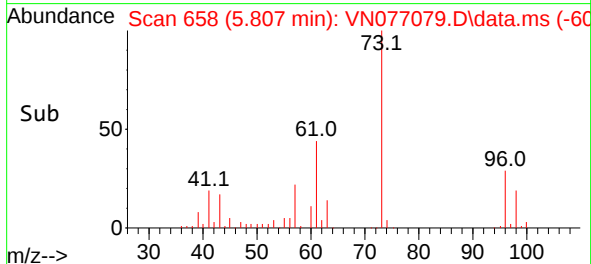
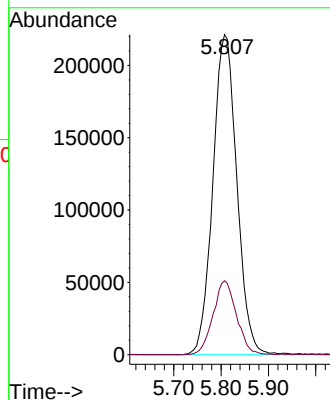
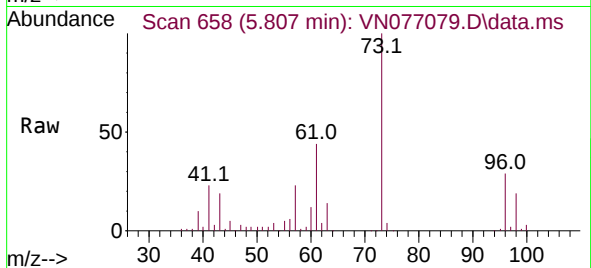
57 23.1 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#20

Methylene Chloride

Concen: 50.292 ug/l

RT: 5.295 min Scan# 571

Delta R.T. 0.005 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Tgt Ion: 84 Resp: 250338

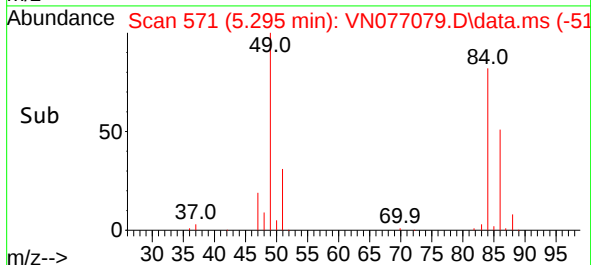
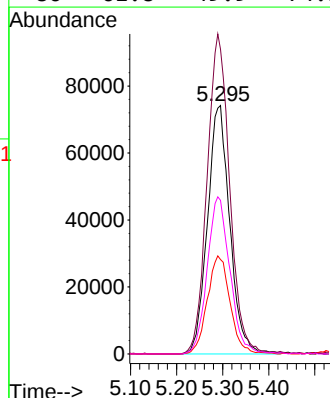
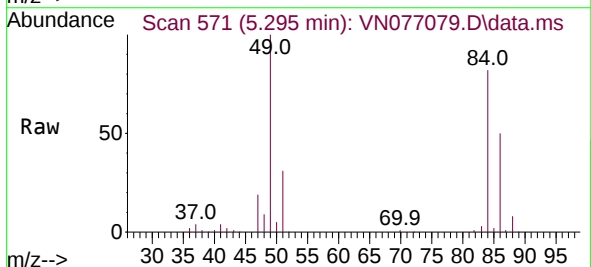
Ion Ratio Lower Upper

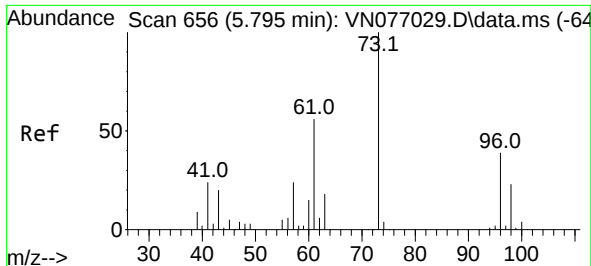
84 100

49 122.6 103.8 155.6

51 38.0 32.3 48.5

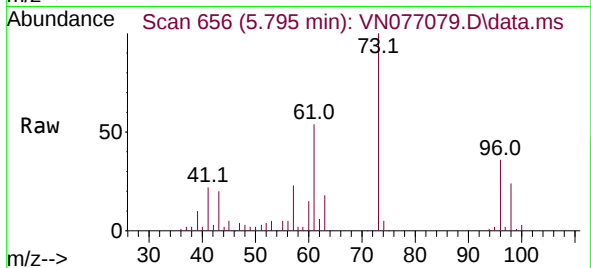
86 61.8 49.9 74.9





#21
trans-1,2-Dichloroethene
Concen: 52.499 ug/l
RT: 5.795 min Scan# 656
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

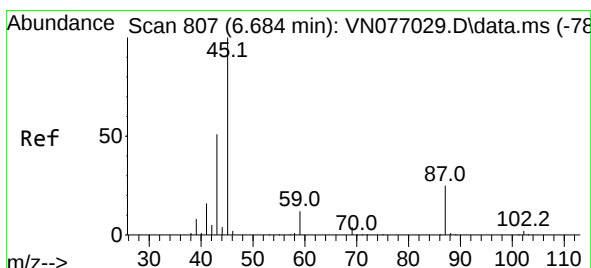
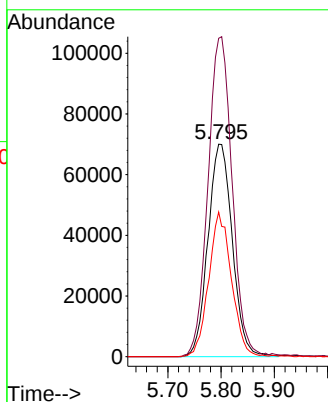
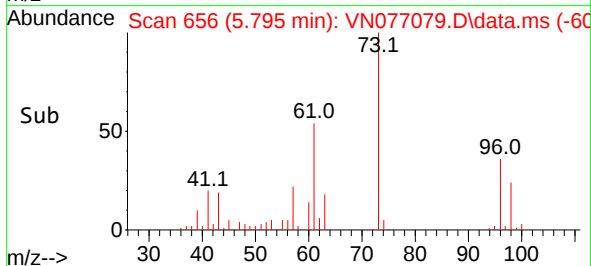
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 96 Resp: 222629
Ion Ratio Lower Upper
96 100
61 149.8 115.8 173.6
98 68.1 48.2 72.2

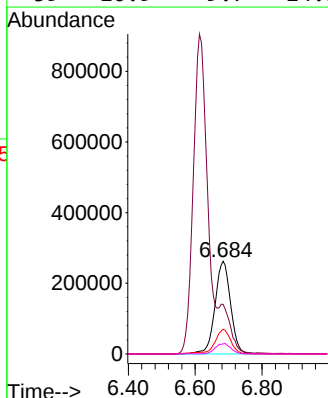
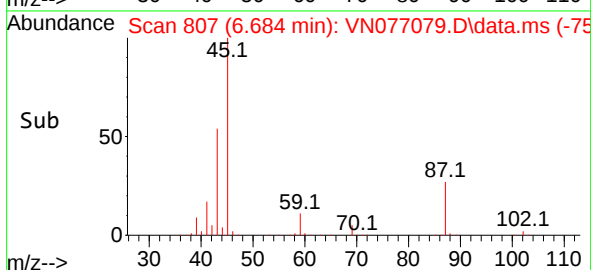
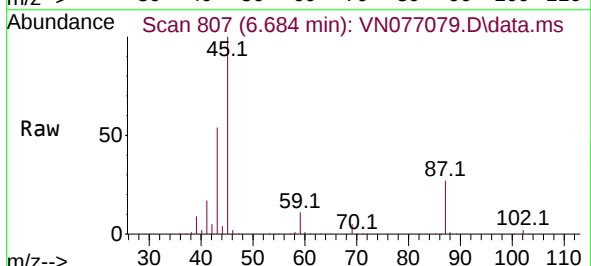
Manual Integrations
APPROVED

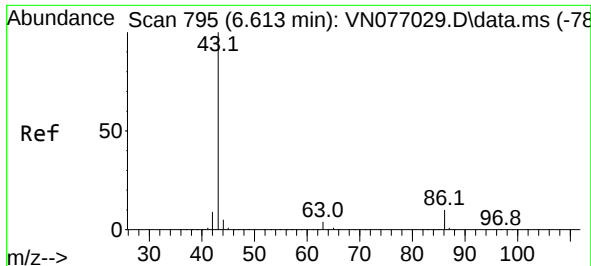
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#22
Diisopropyl ether
Concen: 54.221 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 45 Resp: 850876
Ion Ratio Lower Upper
45 100
43 53.2 41.5 62.3
87 26.6 20.6 30.8
59 10.9 9.7 14.5





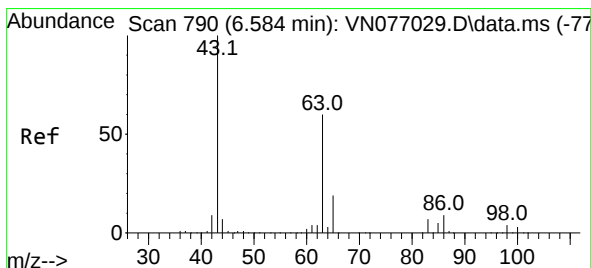
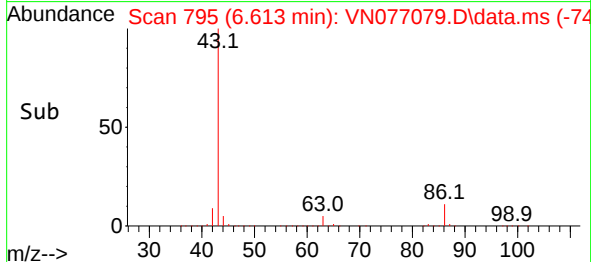
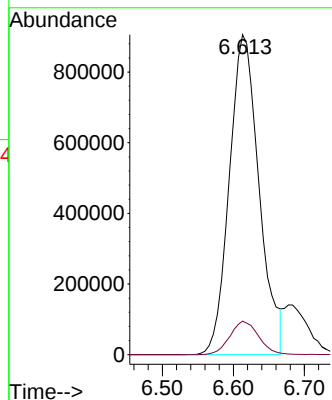
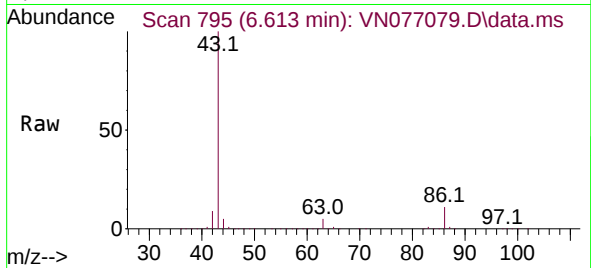
#23
 Vinyl Acetate
 Concen: 266.610 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: VN077079.D
 Acq: 20 Mar 2023 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D1-20230313MSD

Tgt Ion: 43 Resp: 264015
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.0 12.0

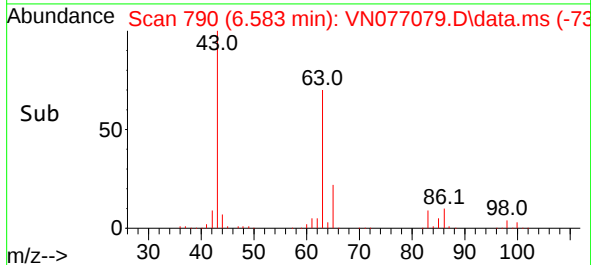
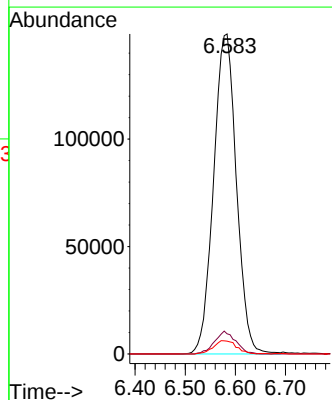
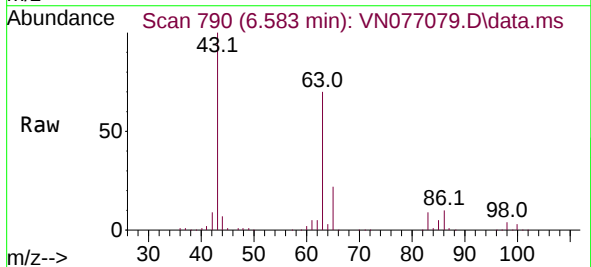
Manual Integrations
 APPROVED

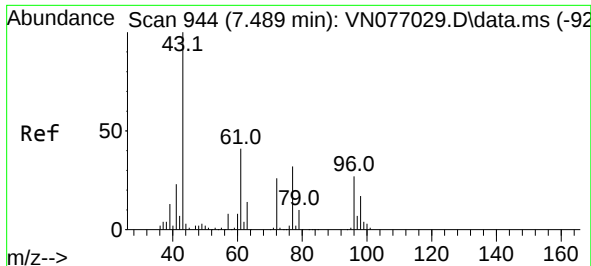
Reviewed By :John Carlone 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023



#24
 1,1-Dichloroethane
 Concen: 52.475 ug/l
 RT: 6.583 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN077079.D
 Acq: 20 Mar 2023 19:31

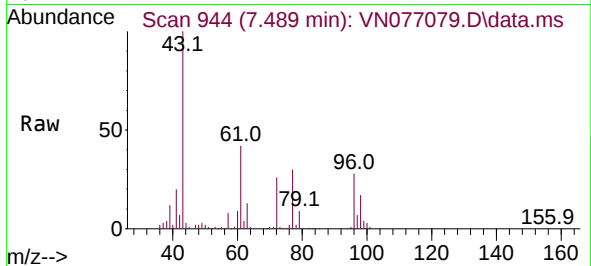
Tgt Ion: 63 Resp: 471215
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.0 2.1 6.3





#25
2-Butanone
Concen: 276.049 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

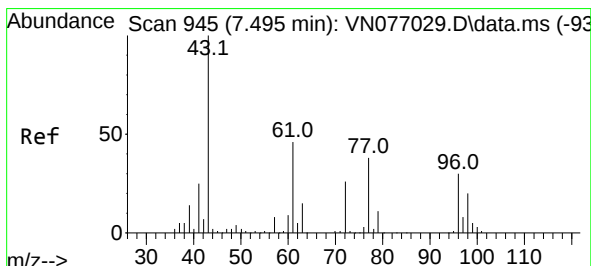
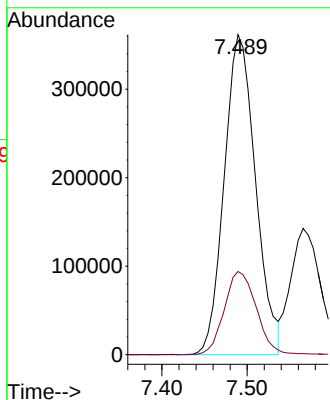
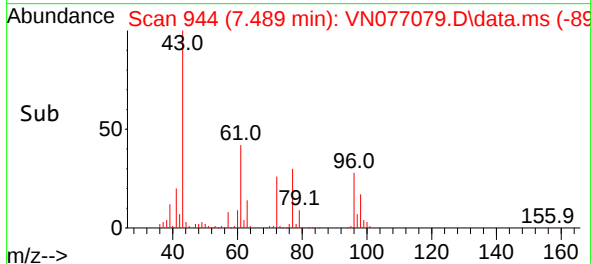
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



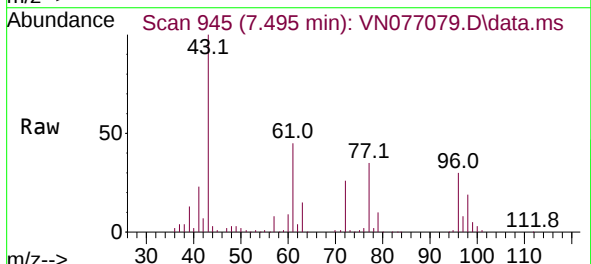
Tgt Ion: 43 Resp: 92618
Ion Ratio Lower Upper
43 100
72 26.0 20.7 31.1

Manual Integrations
APPROVED

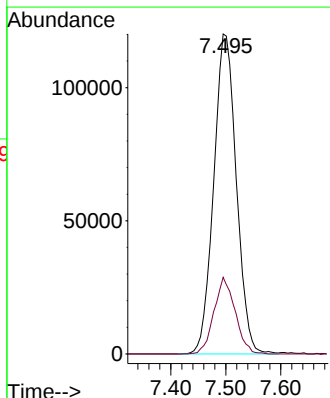
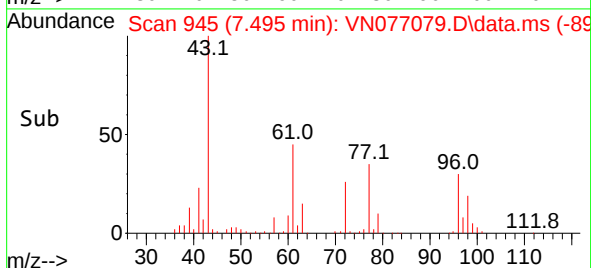
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

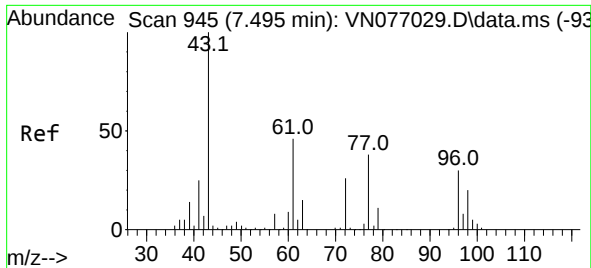


#26
2,2-Dichloropropane
Concen: 50.860 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



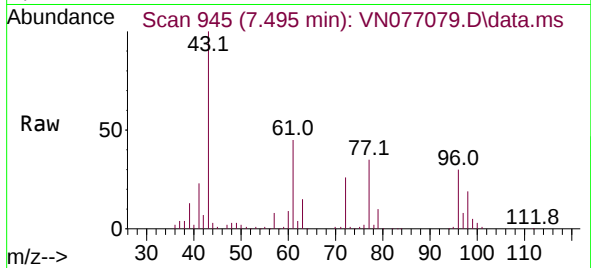
Tgt Ion: 77 Resp: 343640
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 56.338 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: VN077079.D
 Acq: 20 Mar 2023 19:31

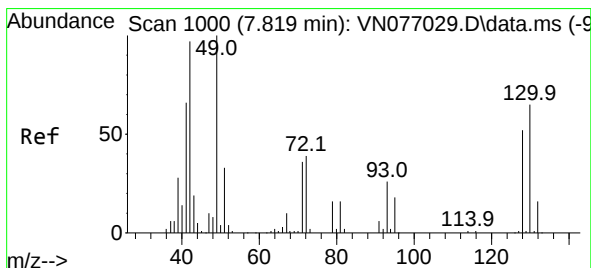
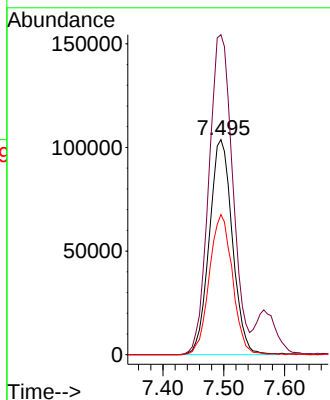
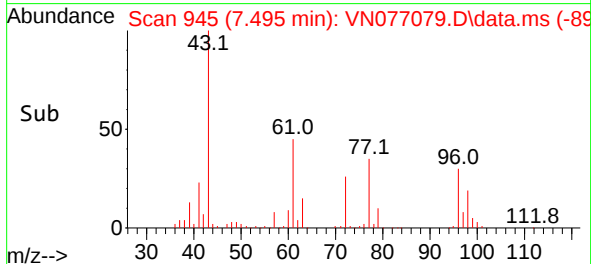
Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D1-20230313MSD



Tgt Ion: 96 Resp: 273618
 Ion Ratio Lower Upper
 96 100
 61 153.7 0.0 315.4
 98 65.5 0.0 128.6

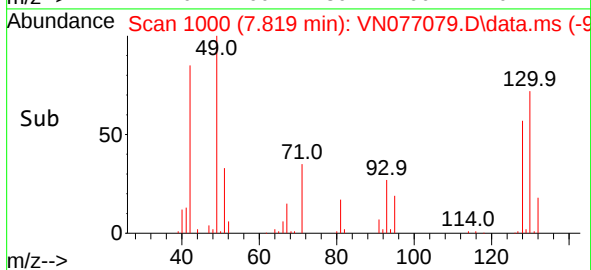
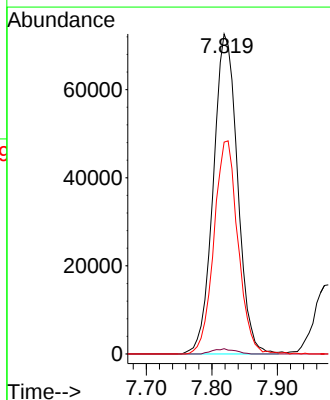
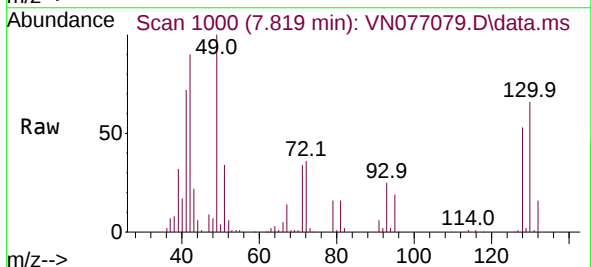
Manual Integrations
 APPROVED

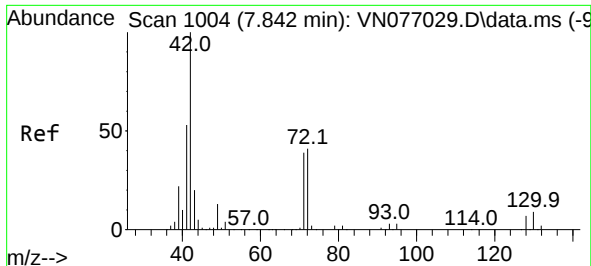
Reviewed By :John Carlone 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023



#28
 Bromochloromethane
 Concen: 47.854 ug/l
 RT: 7.819 min Scan# 1000
 Delta R.T. -0.000 min
 Lab File: VN077079.D
 Acq: 20 Mar 2023 19:31

Tgt Ion: 49 Resp: 186617
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.2
 130 66.1 51.9 77.9





#29

Tetrahydrofuran

Concen: 288.153 ug/l

RT: 7.848 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion: 42 Resp: 626489

Ion Ratio Lower Upper

42 100

72 42.1 33.2 49.8

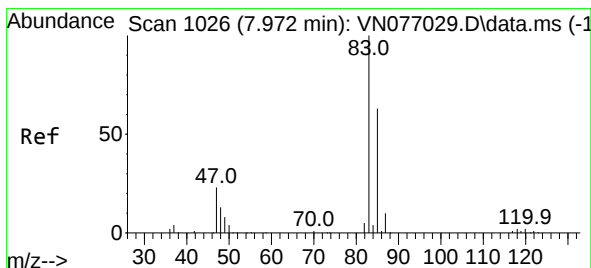
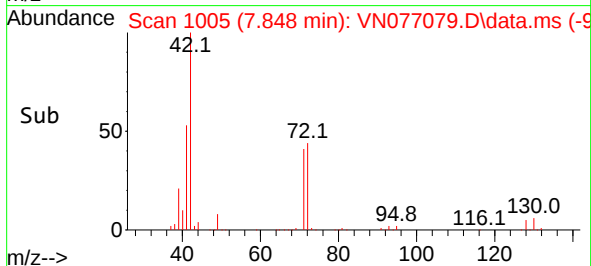
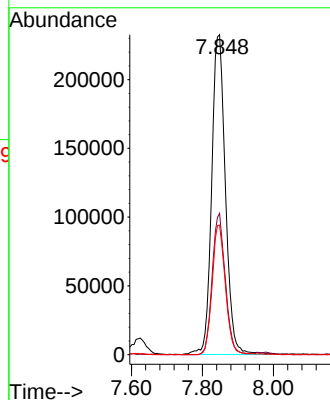
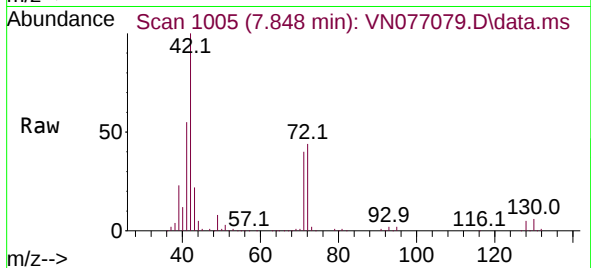
71 38.9 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#30

Chloroform

Concen: 54.350 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077079.D

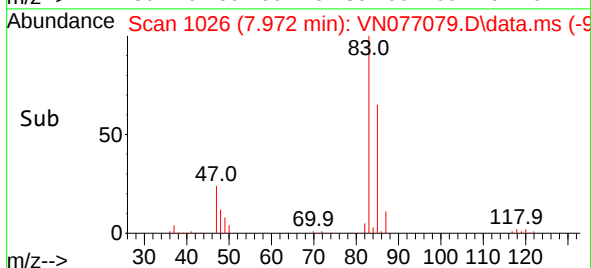
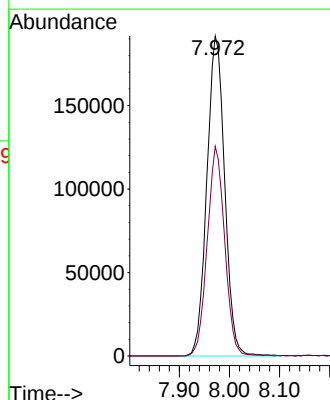
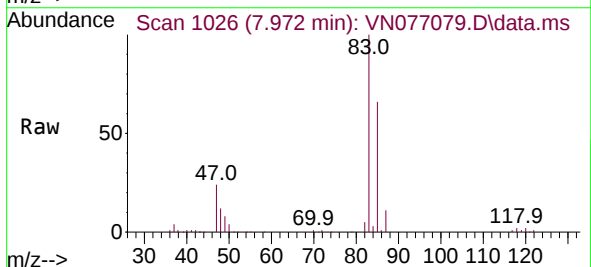
Acq: 20 Mar 2023 19:31

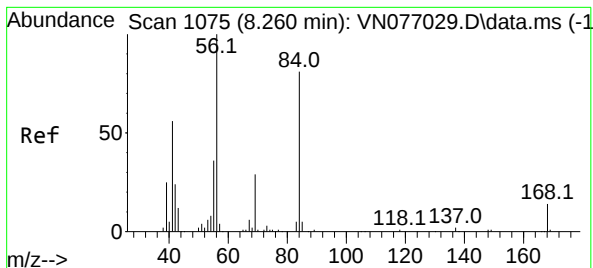
Tgt Ion: 83 Resp: 473701

Ion Ratio Lower Upper

83 100

85 65.5 50.6 75.8





#31

Cyclohexane

Concen: 49.696 ug/l

RT: 8.266 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VN077079.D

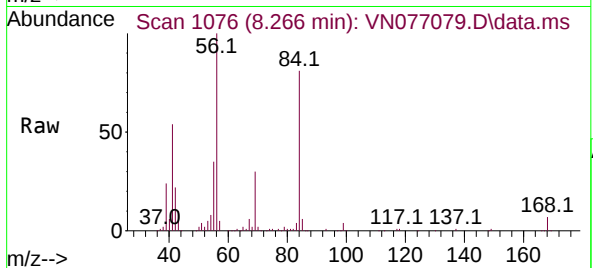
Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD



Tgt Ion: 56 Resp: 41853

Ion Ratio Lower Upper

56 100

69 30.1 22.8 34.2

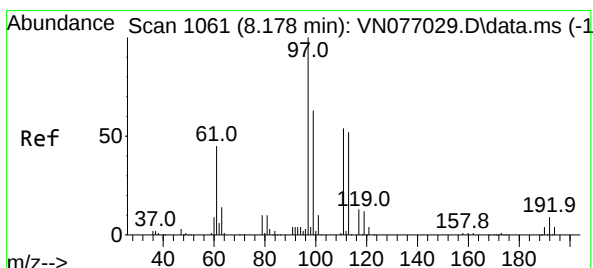
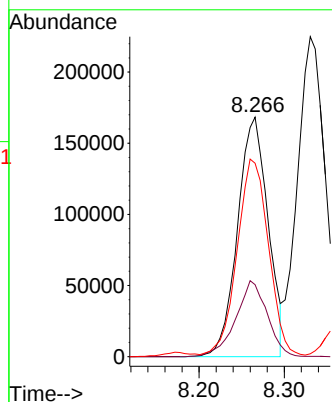
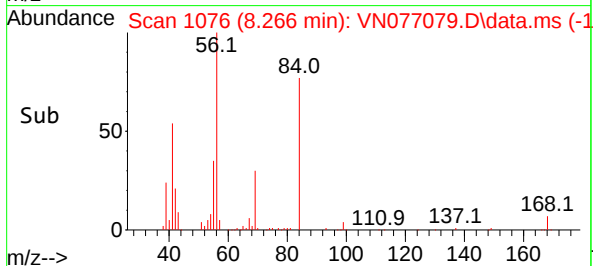
84 79.0 64.7 97.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#32

1,1,1-Trichloroethane

Concen: 54.221 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

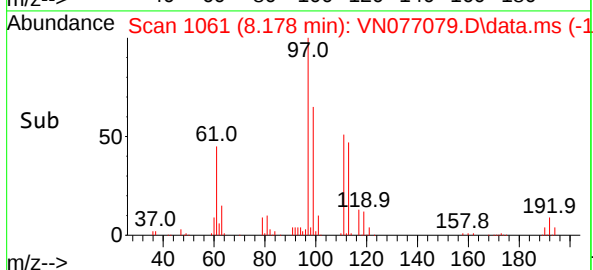
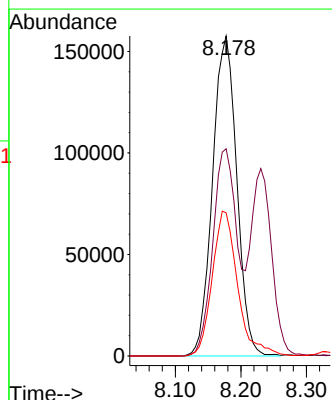
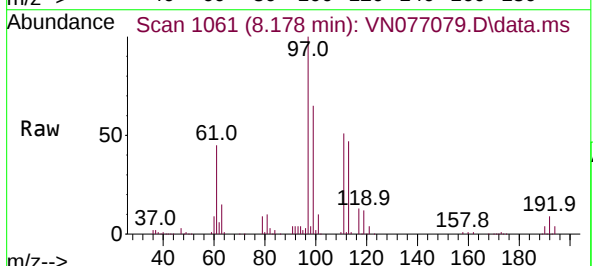
Tgt Ion: 97 Resp: 403908

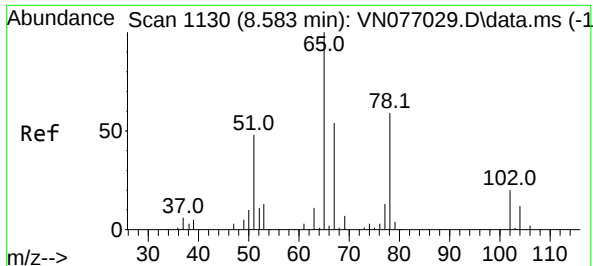
Ion Ratio Lower Upper

97 100

99 66.3 50.2 75.2

61 47.6 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 47.349 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion: 65 Resp: 24372

Ion Ratio Lower Upper

65 100

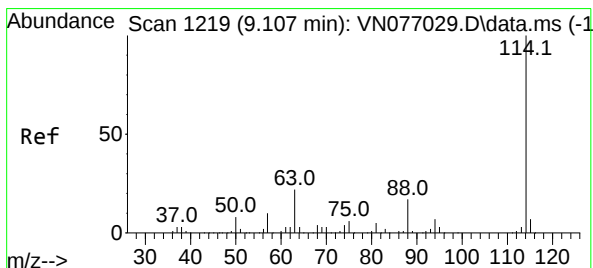
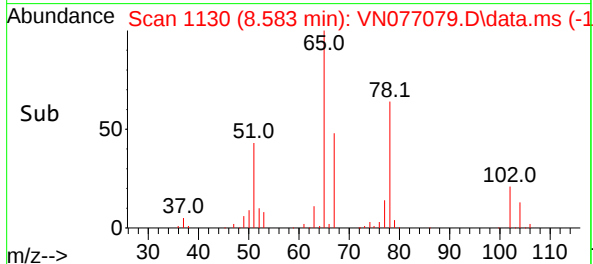
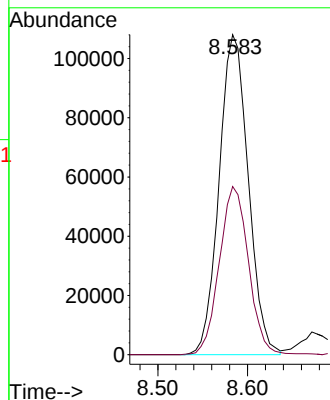
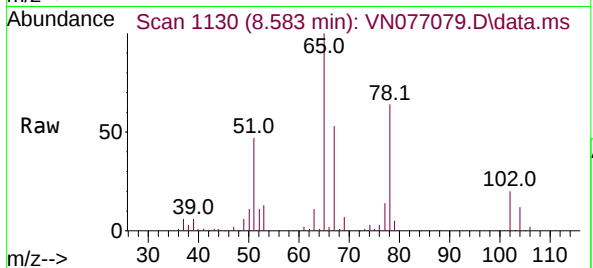
67 52.7 0.0 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

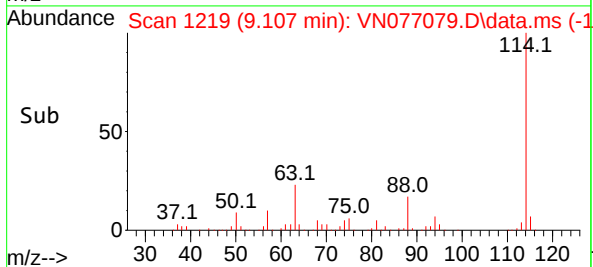
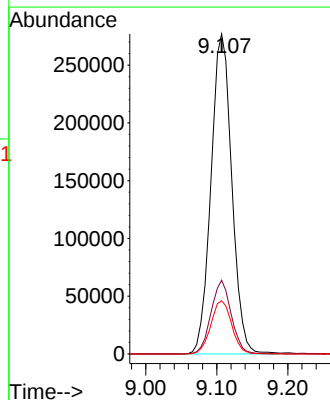
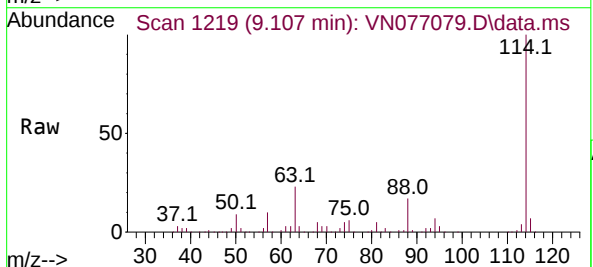
Tgt Ion:114 Resp: 563613

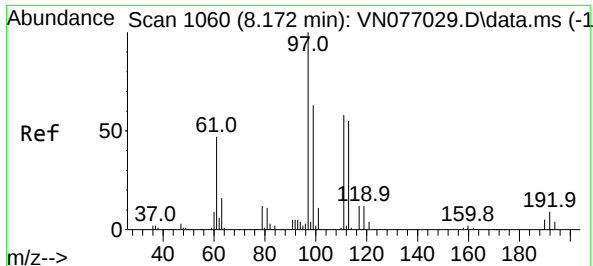
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.453 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077079.D

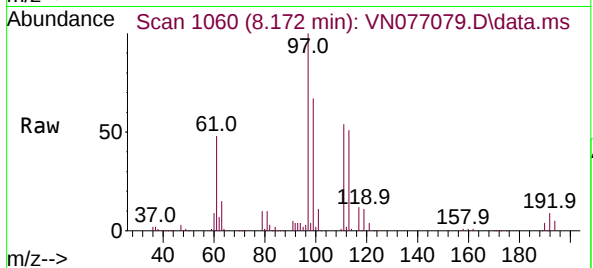
Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD



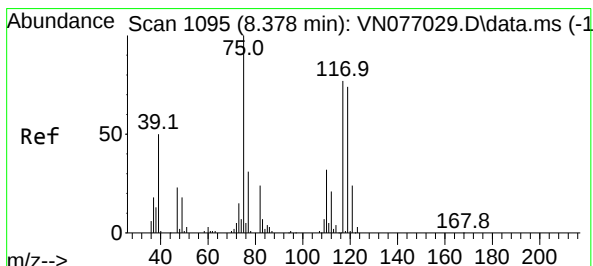
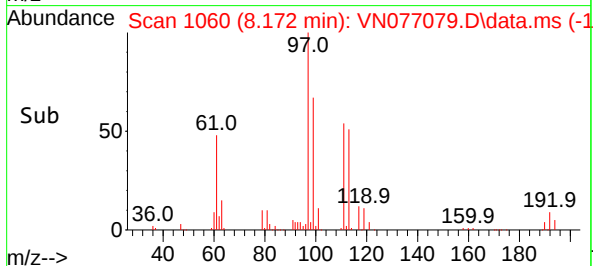
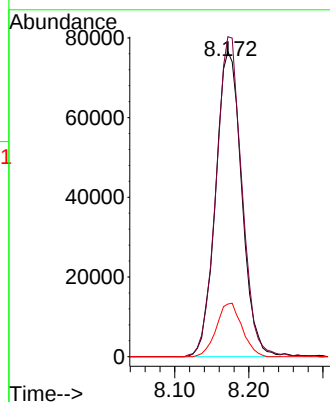
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	17.2	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#36

1,1-Dichloropropene

Concen: 54.990 ug/l

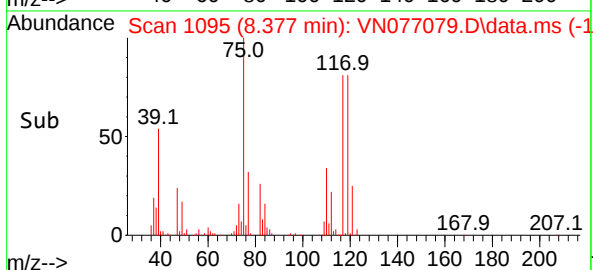
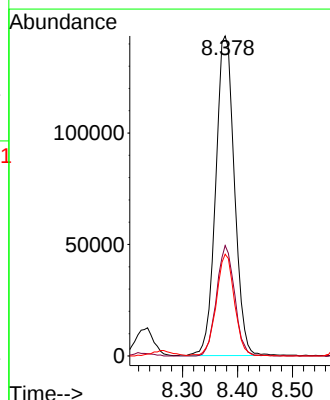
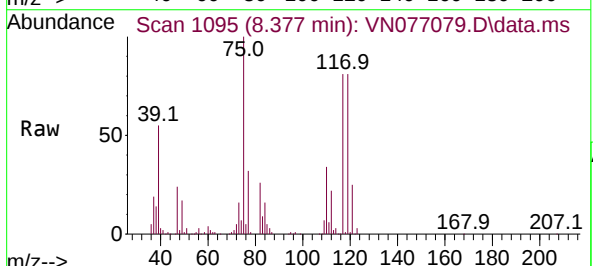
RT: 8.377 min Scan# 1095

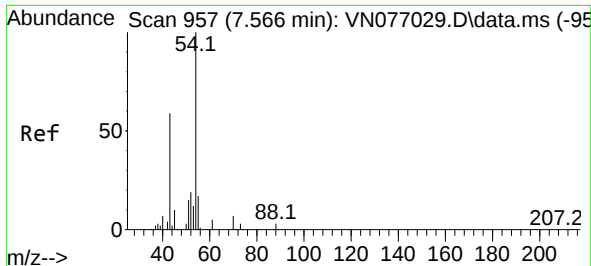
Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

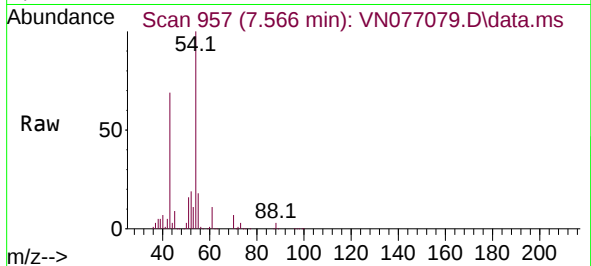
Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	15.9	47.7
77	30.7	24.3	36.5





#37
Ethyl Acetate
Concen: 55.099 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

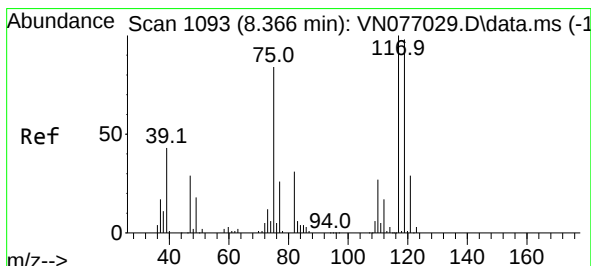
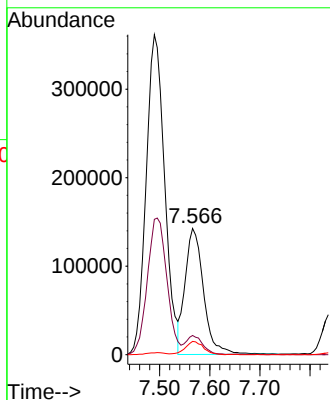
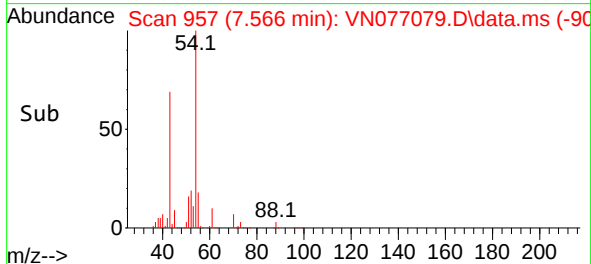
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 43 Resp: 36344
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 10.4 8.4 12.6

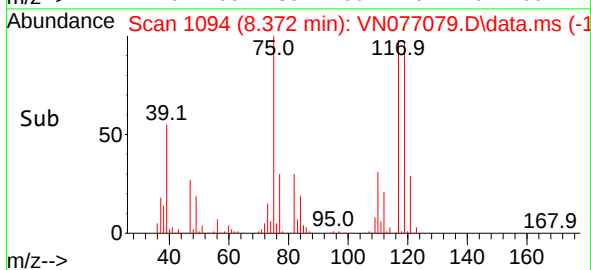
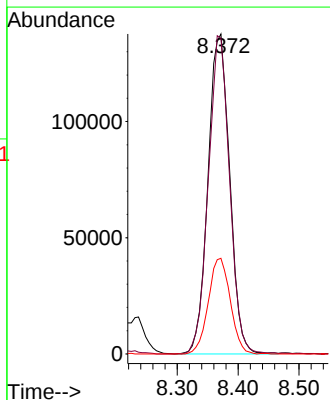
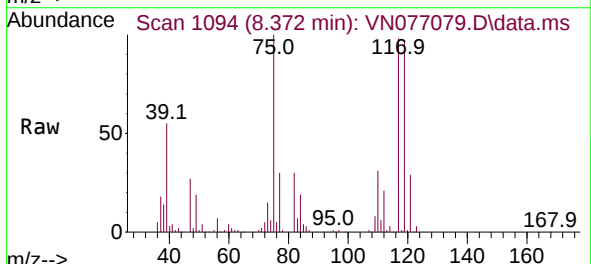
Manual Integrations
APPROVED

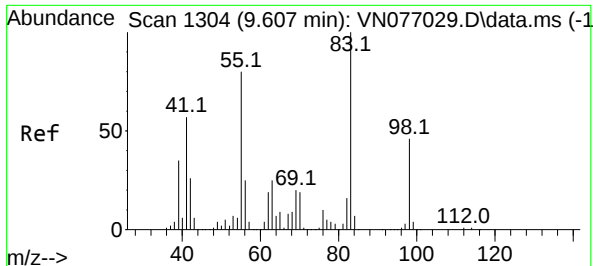
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#38
Carbon Tetrachloride
Concen: 56.841 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion:117 Resp: 341326
Ion Ratio Lower Upper
117 100
119 98.6 78.2 117.2
121 29.9 23.2 34.8





#39

Methylcyclohexane

Concen: 58.239 ug/l

RT: 9.607 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN077079.D

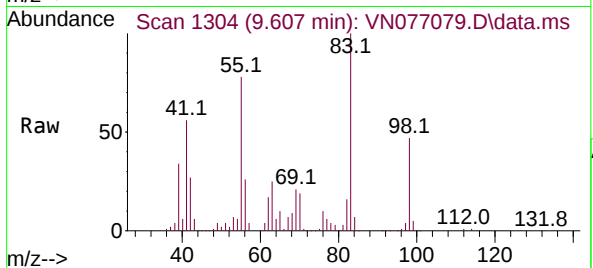
Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

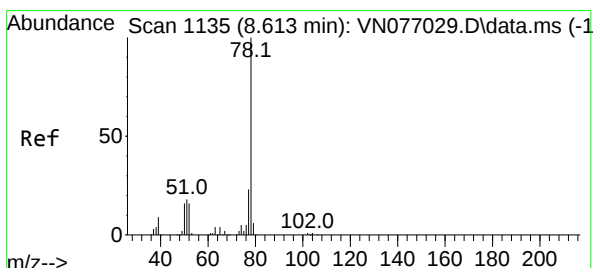
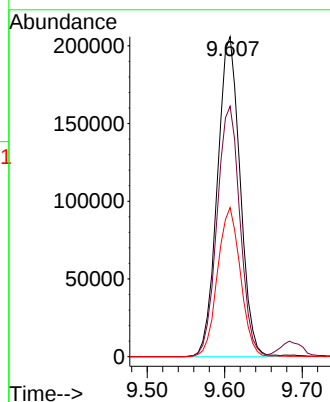
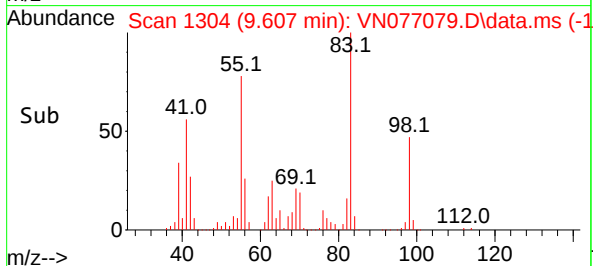


Tgt Ion:	83	Resp:	42025
Ion Ratio	Lower	Upper	
83	100		
55	78.3	63.8	95.8
98	46.6	37.1	55.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#40

Benzene

Concen: 55.117 ug/l

RT: 8.613 min Scan# 1135

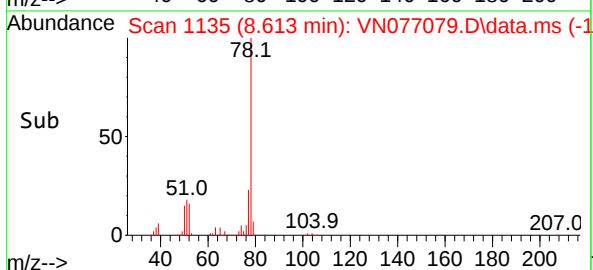
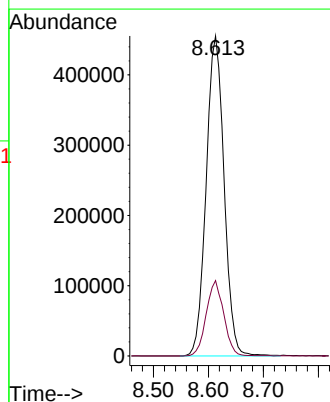
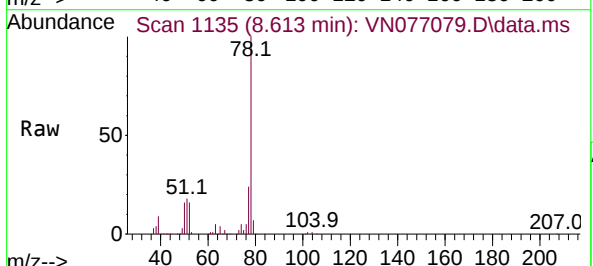
Delta R.T. -0.000 min

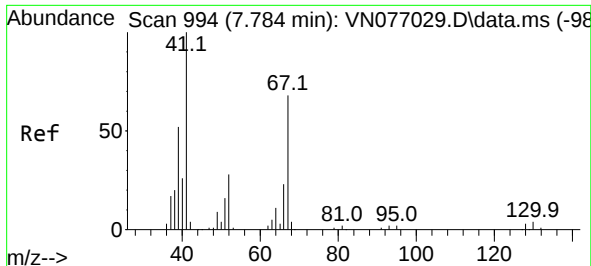
Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Tgt Ion: 78 Resp: 1030518

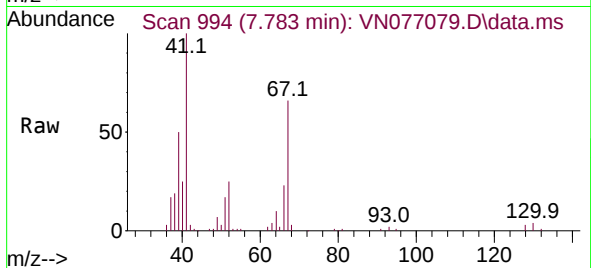
Ion Ratio	Lower	Upper
78	100	
77	23.6	18.5 27.7





#41
Methacrylonitrile
Concen: 54.881 ug/l m
RT: 7.783 min Scan# 994
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

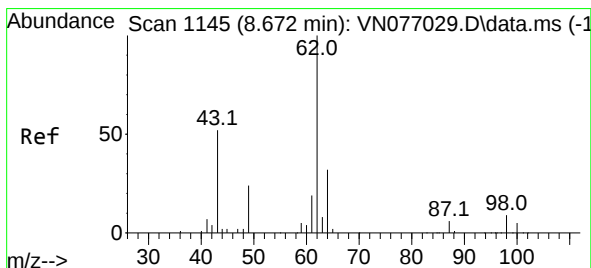
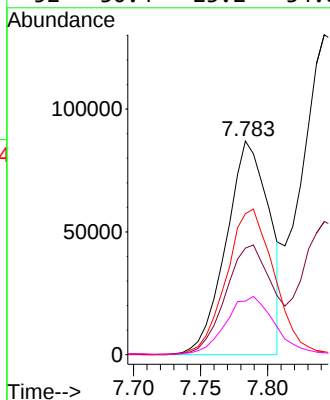
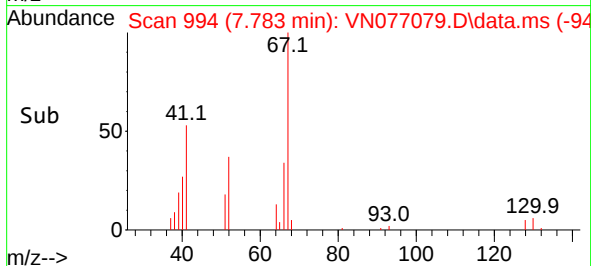
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 41 Resp: 19501
Ion Ratio Lower Upper
41 100
39 56.7 41.6 62.4
67 76.6 53.8 80.8
52 30.4 23.2 34.8

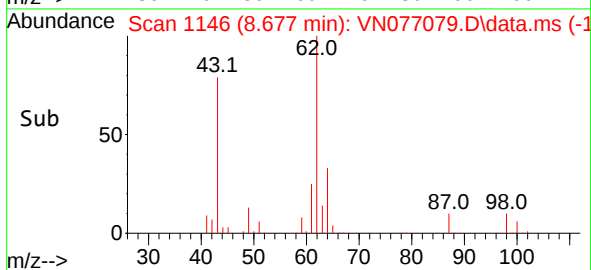
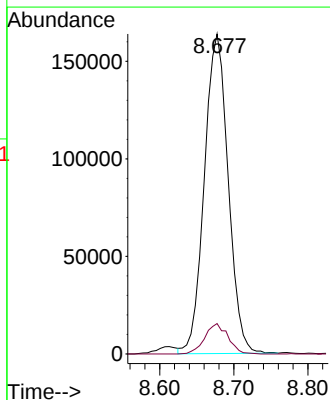
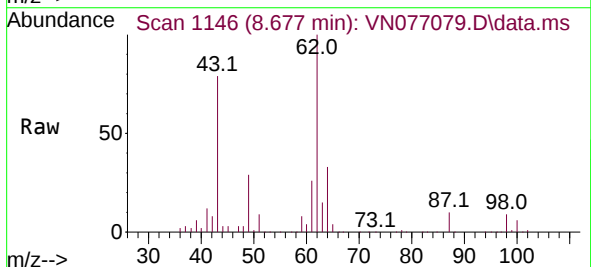
Manual Integrations
APPROVED

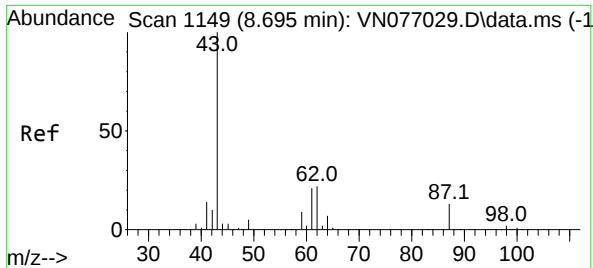
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#42
1,2-Dichloroethane
Concen: 54.152 ug/l
RT: 8.677 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

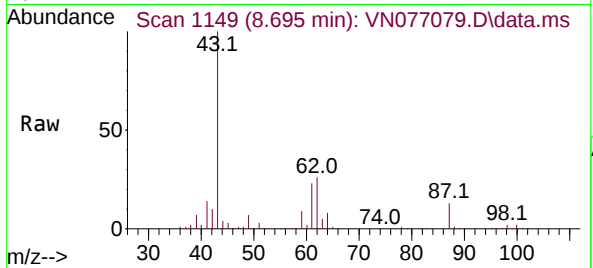
Tgt Ion: 62 Resp: 365864
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.4





#43
Isopropyl Acetate
Concen: 56.822 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

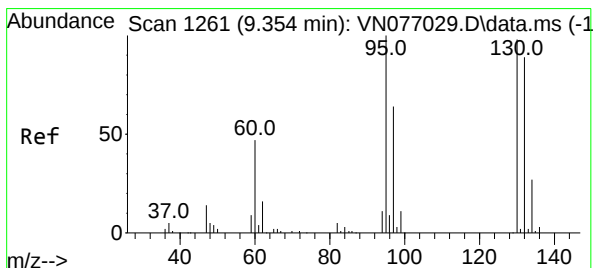
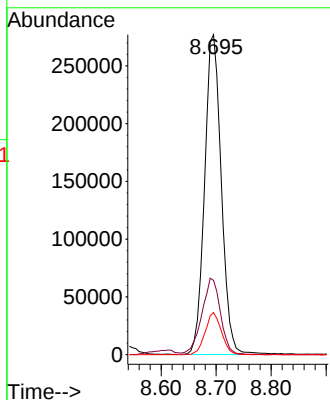
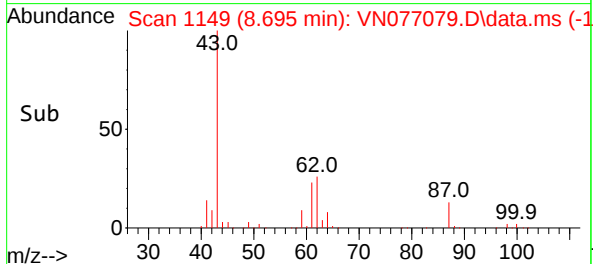
Instrument : MSVOA_N
ClientSampleId : TT180D1-20230313MSD



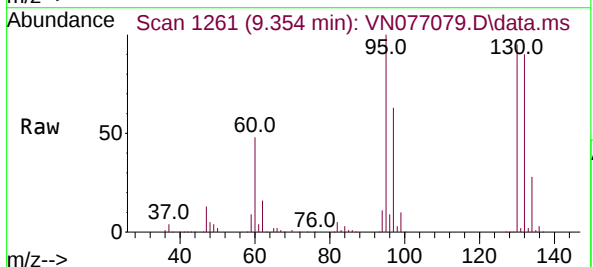
Tgt Ion: 43 Resp: 585497
Ion Ratio Lower Upper
43 100
61 26.7 20.6 30.8
87 12.8 10.0 15.0

Manual Integrations
APPROVED

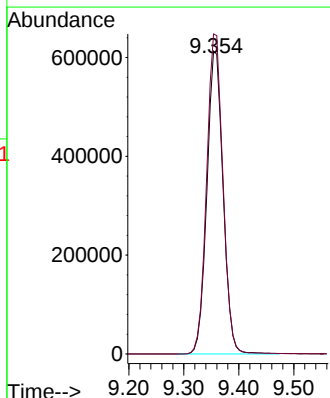
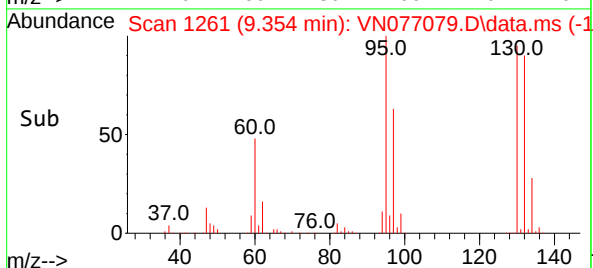
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

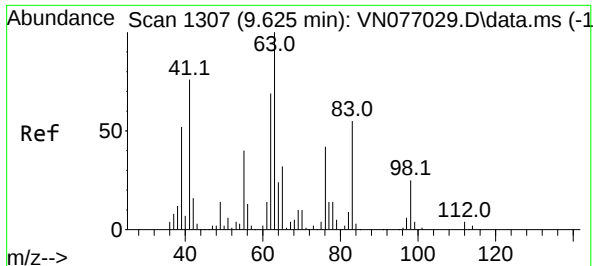


#44
Trichloroethene
Concen: 292.225 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



Tgt Ion:130 Resp: 1254991
Ion Ratio Lower Upper
130 100
95 105.6 0.0 204.4





#45

1,2-Dichloropropane

Concen: 55.837 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion: 63 Resp: 27727

Ion Ratio Lower Upper

63 100

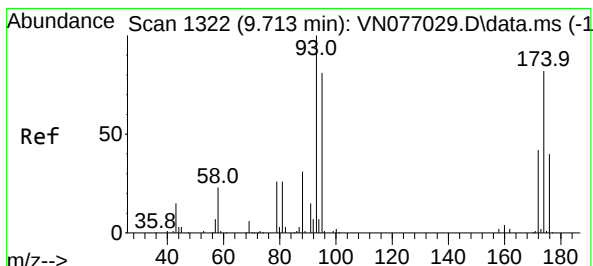
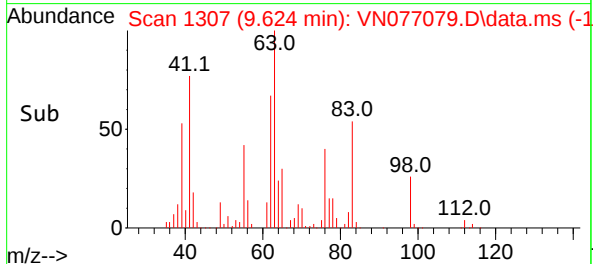
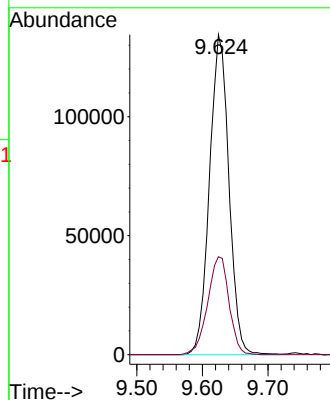
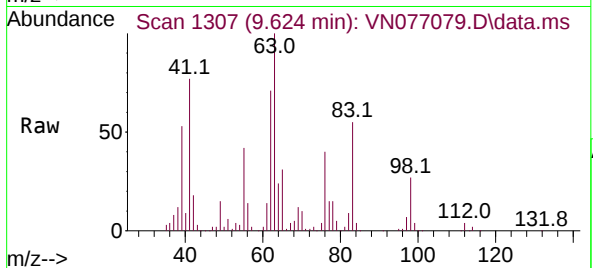
65 30.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#46

Dibromomethane

Concen: 55.227 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

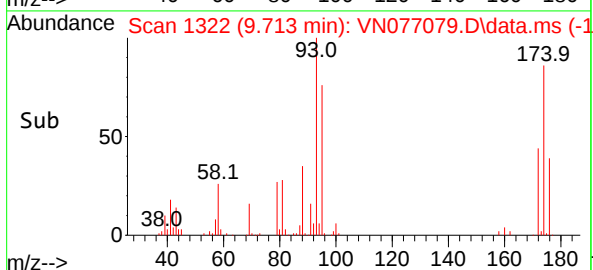
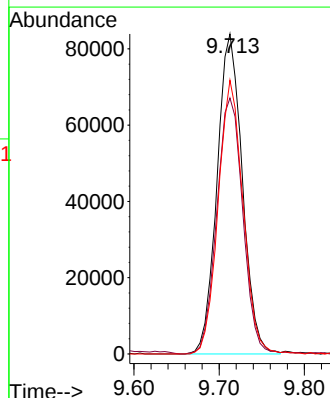
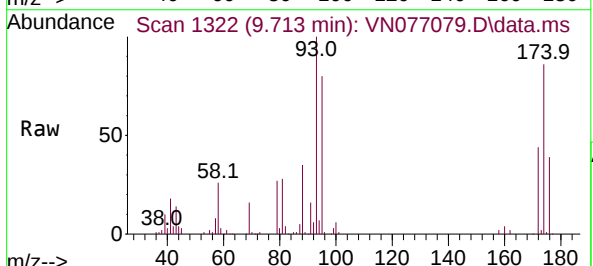
Tgt Ion: 93 Resp: 172958

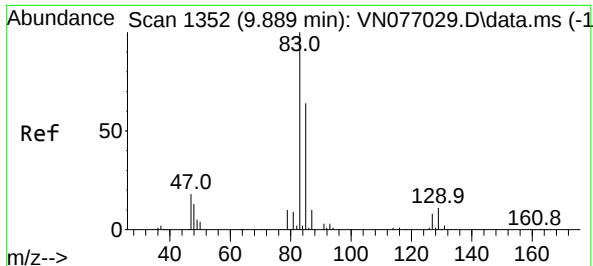
Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

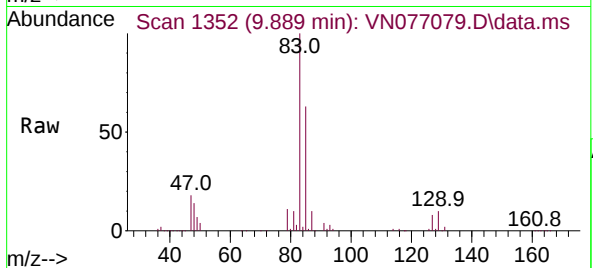
174 84.1 66.4 99.6





#47
Bromodichloromethane
Concen: 54.710 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

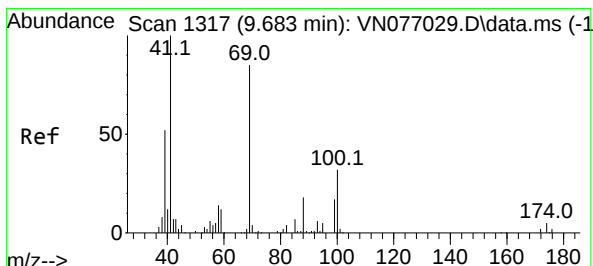
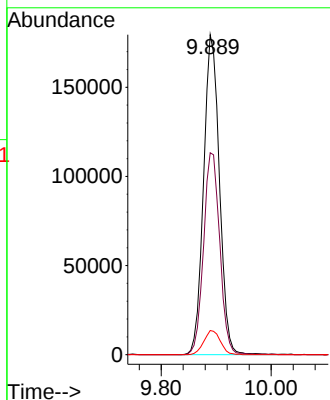
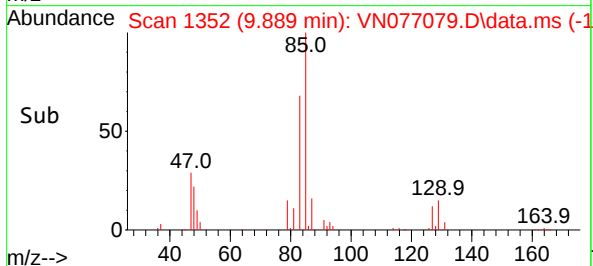
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 83 Resp: 35935
Ion Ratio Lower Upper
83 100
85 63.1 51.0 76.4
127 7.6 6.1 9.1

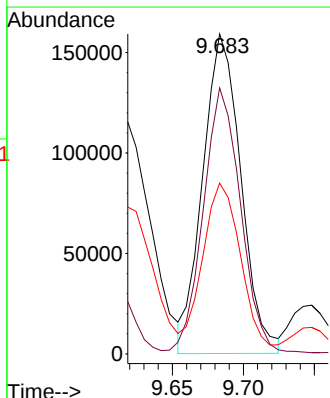
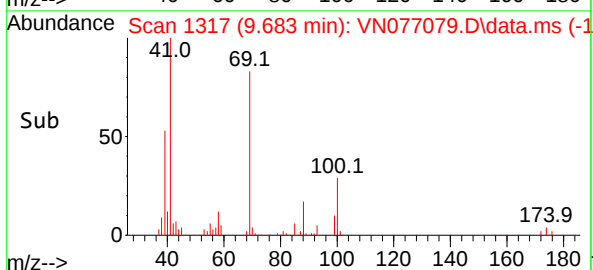
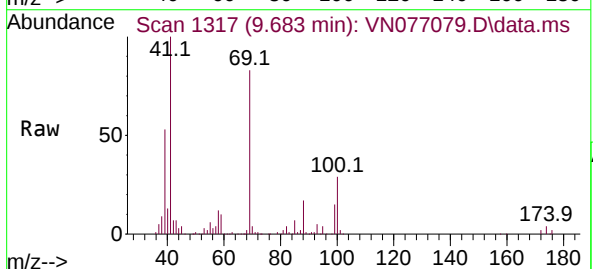
Manual Integrations
APPROVED

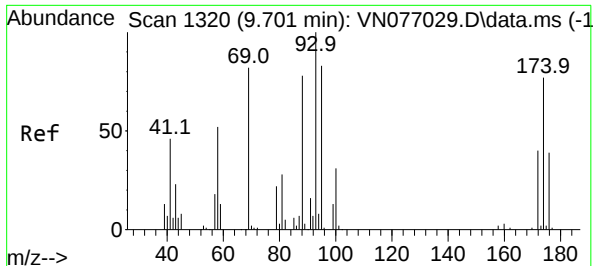
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#48
Methyl methacrylate
Concen: 60.281 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 41 Resp: 296947
Ion Ratio Lower Upper
41 100
69 82.1 64.3 96.5
39 54.0 43.2 64.8





#49

1,4-Dioxane

Concen: 1259.111 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN077079.D

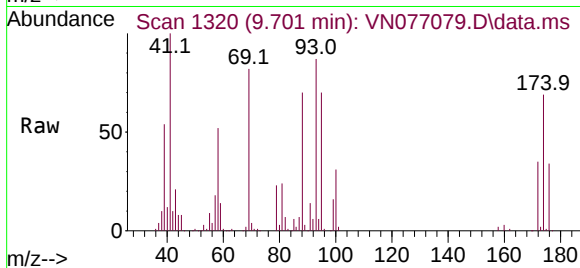
Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD



Tgt Ion: 88 Resp: 10593

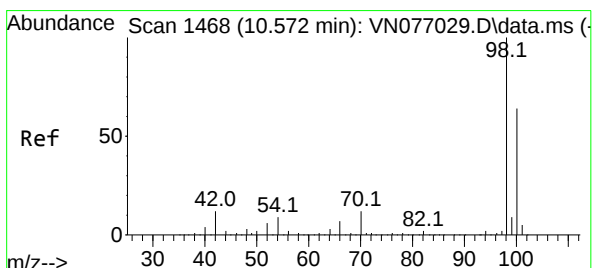
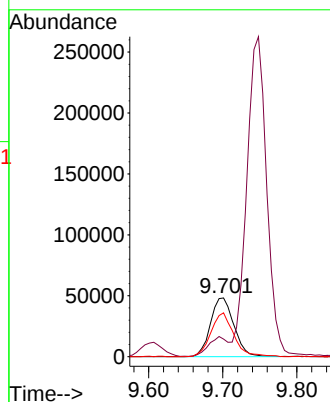
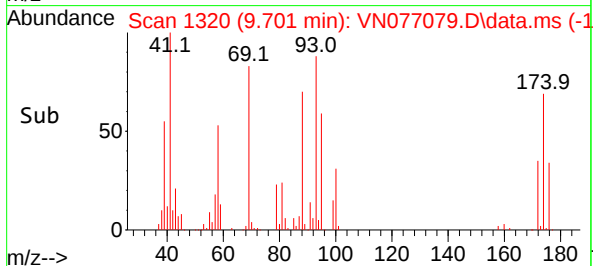
Ion	Ratio	Lower	Upper
88	100		
43	26.1	22.2	33.2
58	73.3	60.8	91.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#50

Toluene-d8

Concen: 50.138 ug/l

RT: 10.571 min Scan# 1468

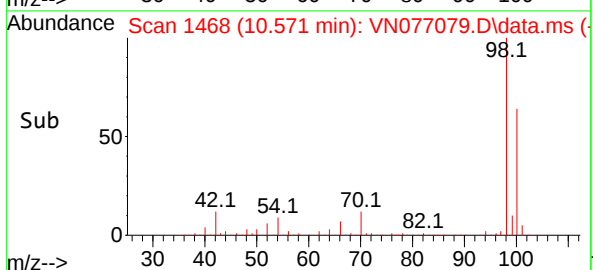
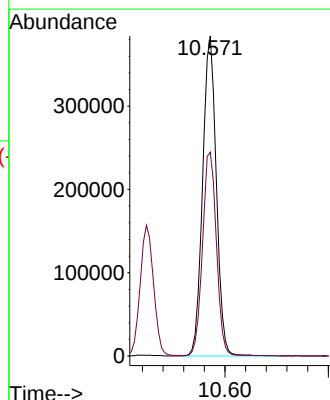
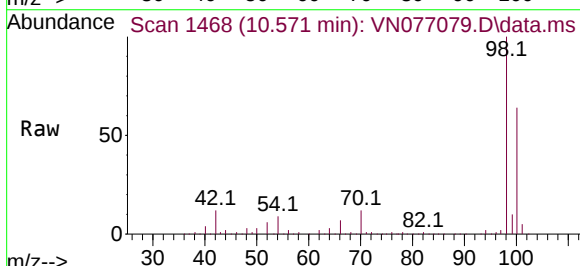
Delta R.T. -0.000 min

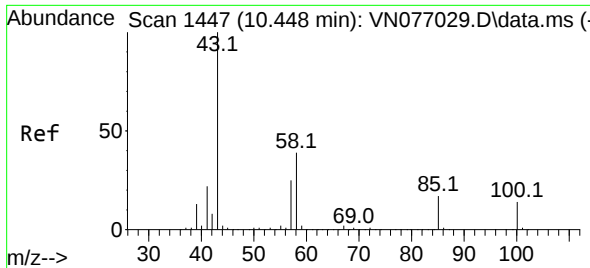
Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Tgt Ion: 98 Resp: 706914

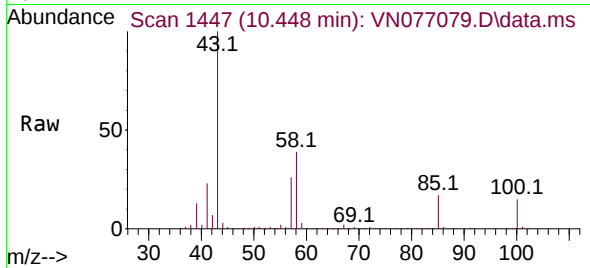
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 294.187 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

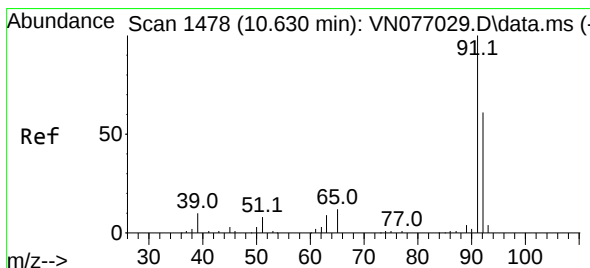
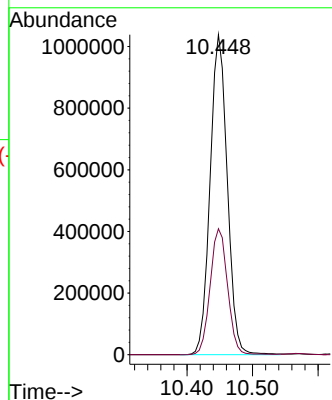
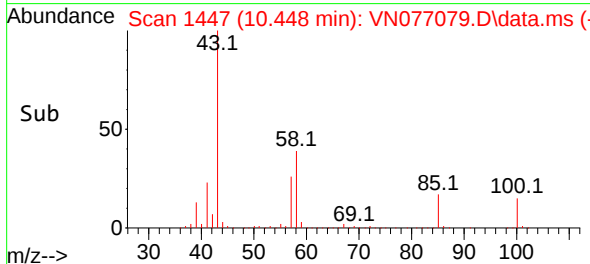
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



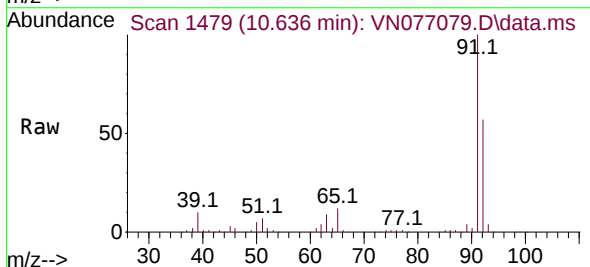
Tgt Ion: 43 Resp: 188768
Ion Ratio Lower Upper
43 100
58 39.9 31.1 46.7

Manual Integrations
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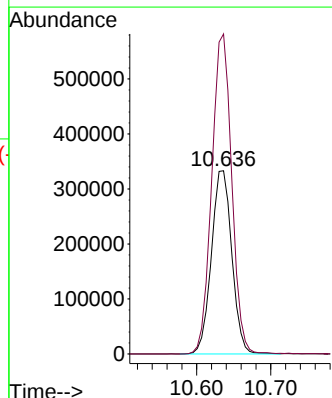
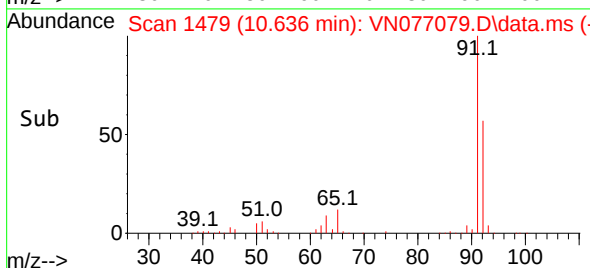
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

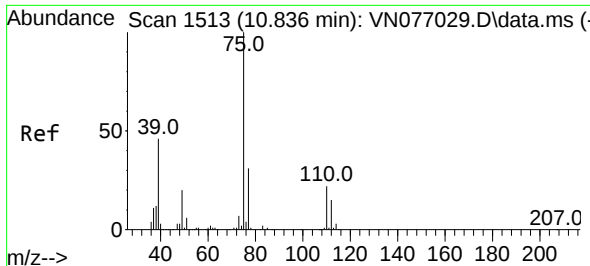


#52
Toluene
Concen: 57.150 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



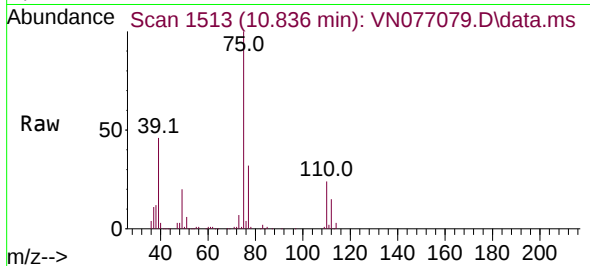
Tgt Ion: 92 Resp: 637993
Ion Ratio Lower Upper
92 100
91 170.6 135.8 203.8





#53
t-1,3-Dichloropropene
Concen: 59.417 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

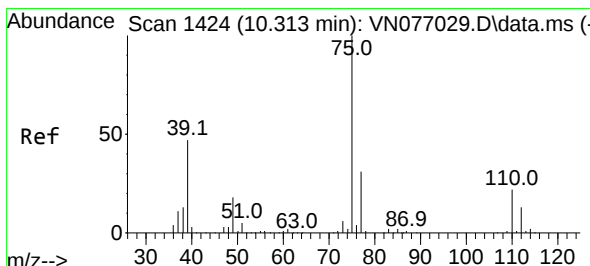
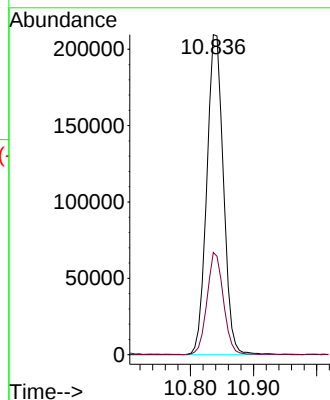
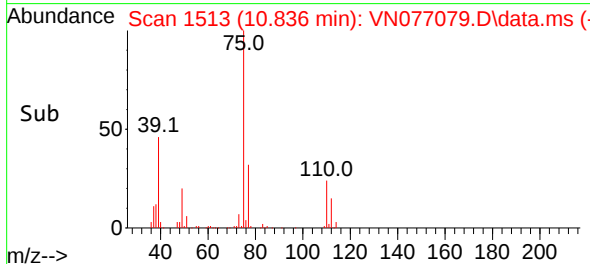
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 75 Resp: 38250
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7

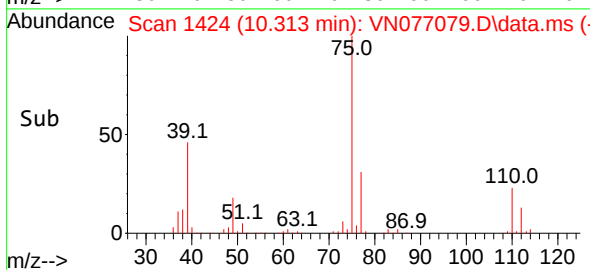
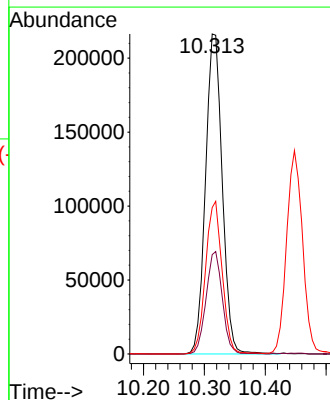
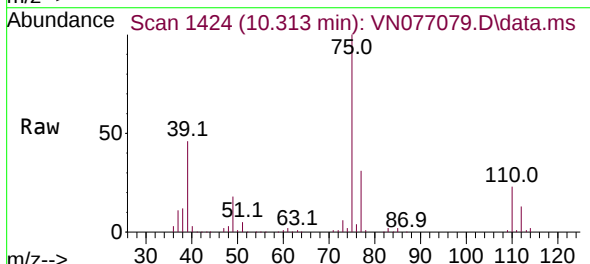
Manual Integrations
APPROVED

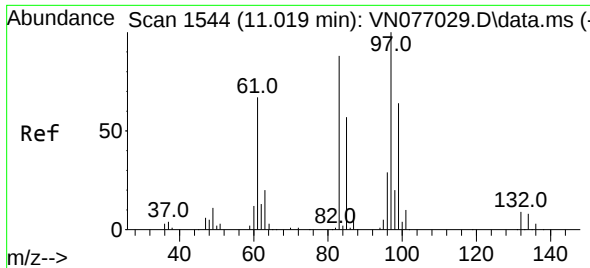
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#54
cis-1,3-Dichloropropene
Concen: 56.849 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

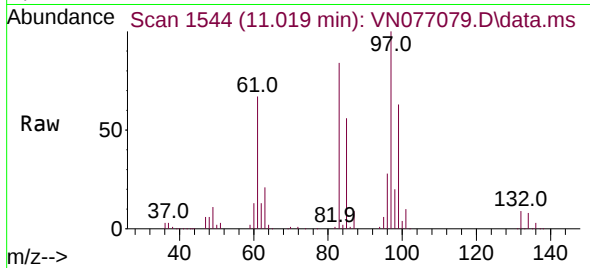
Tgt Ion: 75 Resp: 412924
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 45.7 37.8 56.6





#55
1,1,2-Trichloroethane
Concen: 58.122 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

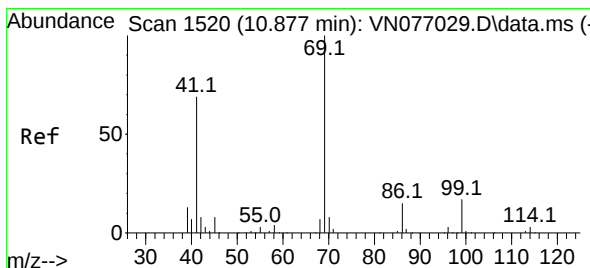
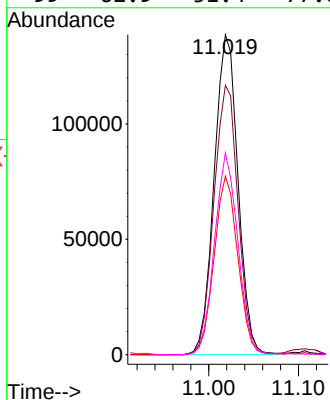
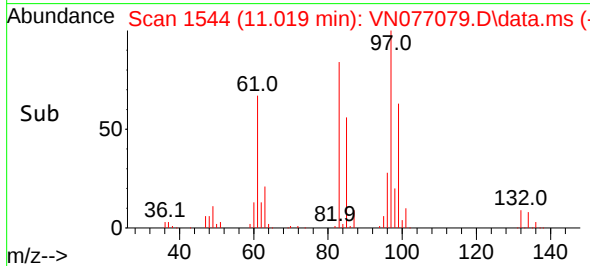
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



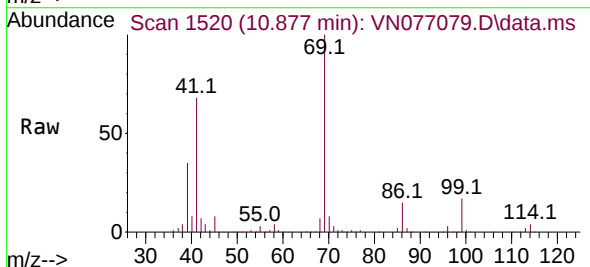
Tgt Ion: 97 Resp: 255858
Ion Ratio Lower Upper
97 100
83 84.2 70.5 105.7
85 55.8 45.4 68.2
99 62.9 51.4 77.0

Manual Integrations
APPROVED

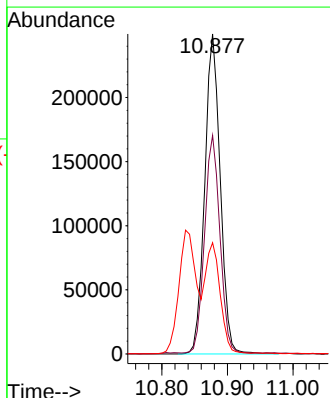
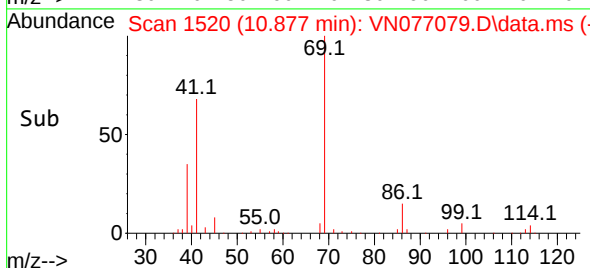
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

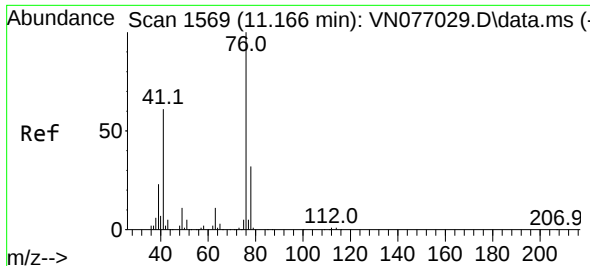


#56
Ethyl methacrylate
Concen: 62.026 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



Tgt Ion: 69 Resp: 410579
Ion Ratio Lower Upper
69 100
41 67.2 54.9 82.3
39 32.6 26.6 40.0





#57

1,3-Dichloropropane

Concen: 55.211 ug/l

RT: 11.166 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VN077079.D

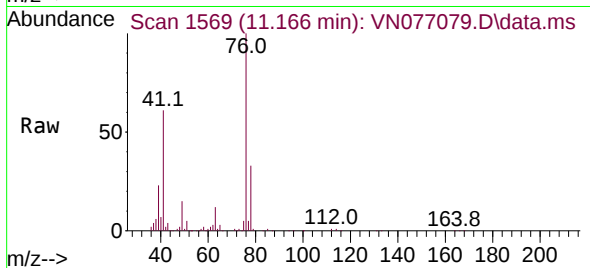
Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD



Tgt Ion: 76 Resp: 444973

Ion Ratio Lower Upper

76 100

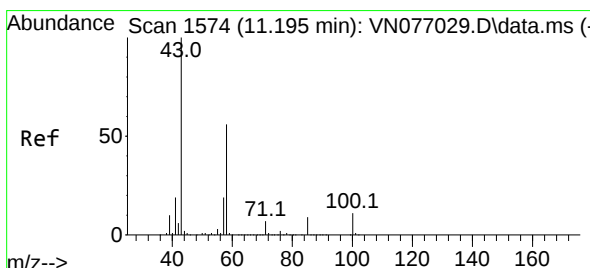
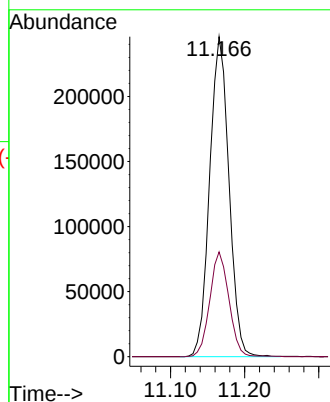
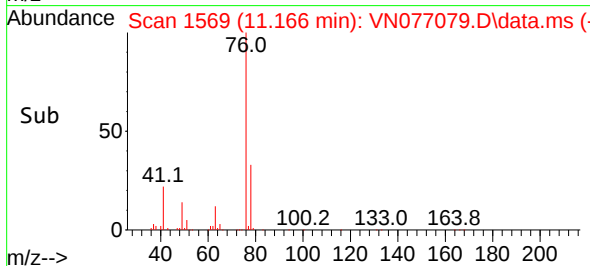
78 32.4 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#59

2-Hexanone

Concen: 299.927 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN077079.D

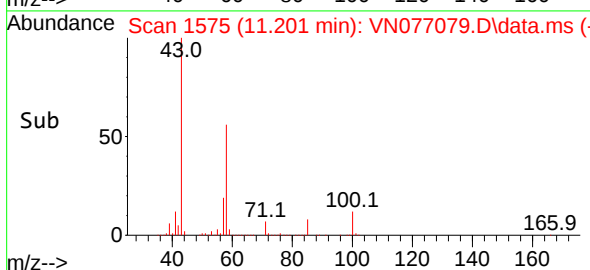
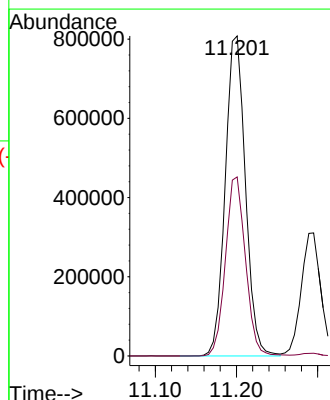
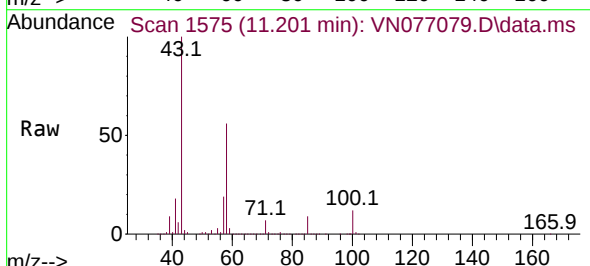
Acq: 20 Mar 2023 19:31

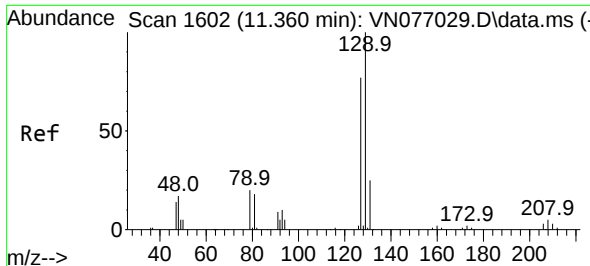
Tgt Ion: 43 Resp: 1395877

Ion Ratio Lower Upper

43 100

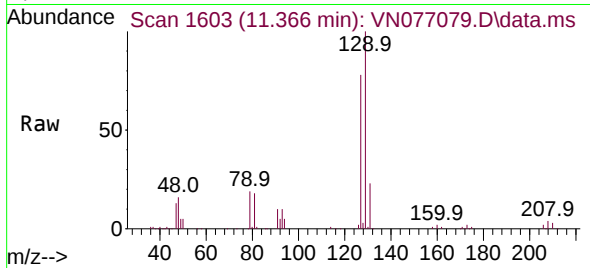
58 55.6 27.7 83.1





#60
Dibromochloromethane
Concen: 58.399 ug/l
RT: 11.366 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

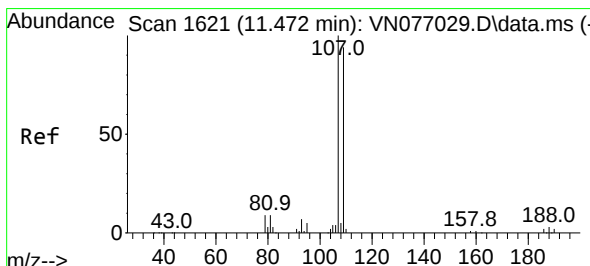
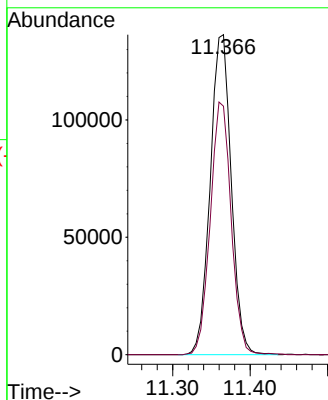
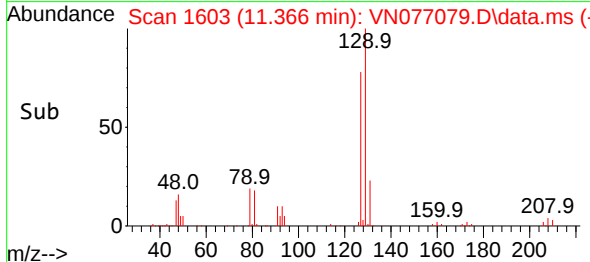
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



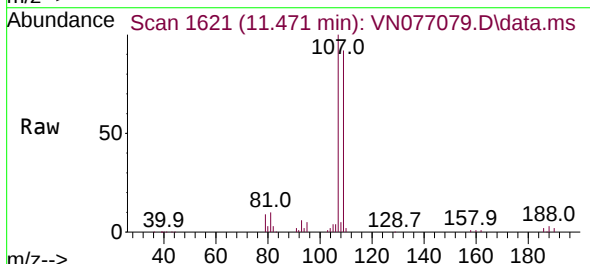
Tgt Ion:129 Resp: 258230
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.7

Manual Integrations
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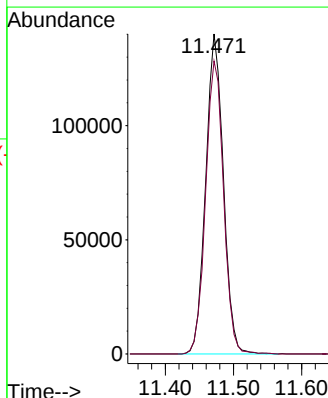
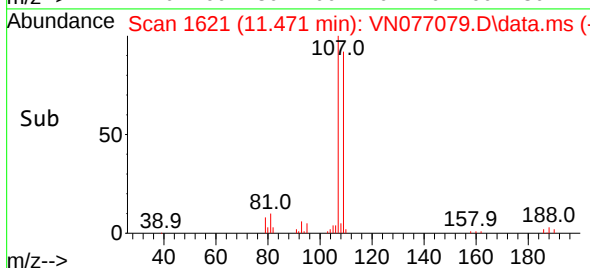
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

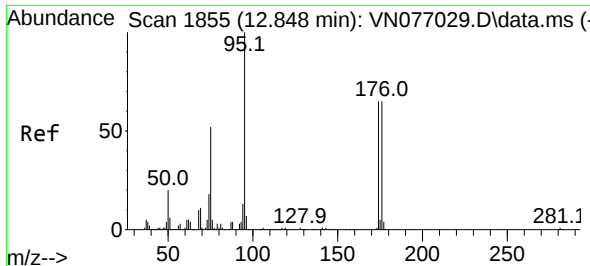


#61
1,2-Dibromoethane
Concen: 57.910 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



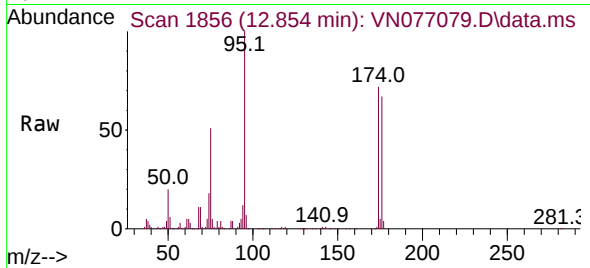
Tgt Ion:107 Resp: 252797
Ion Ratio Lower Upper
107 100
109 93.2 75.6 113.4





#62
4-Bromofluorobenzene
Concen: 52.694 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

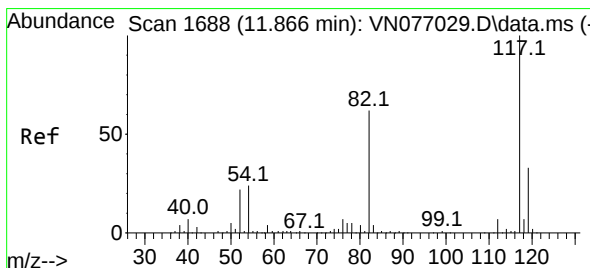
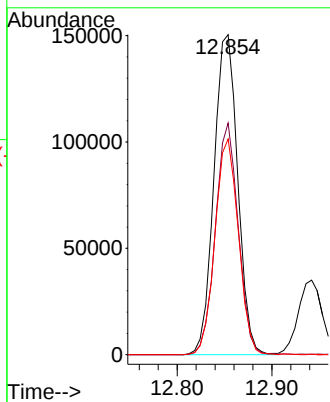
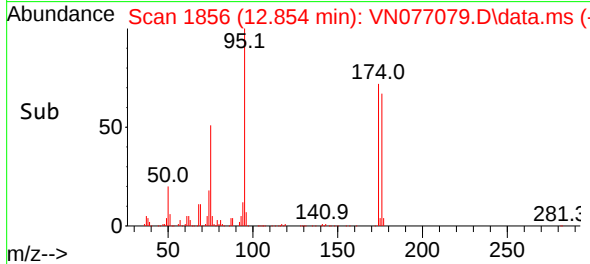
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



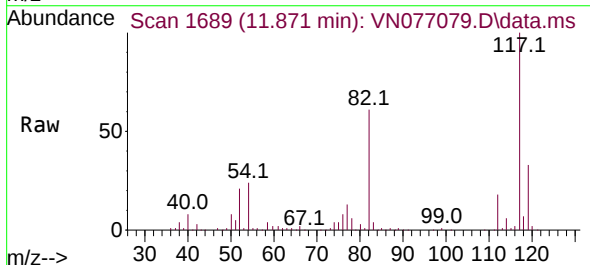
Tgt Ion: 95 Resp: 26253
Ion Ratio Lower Upper
95 100
174 69.4 0.0 136.6
176 66.3 0.0 130.0

Manual Integrations
APPROVED

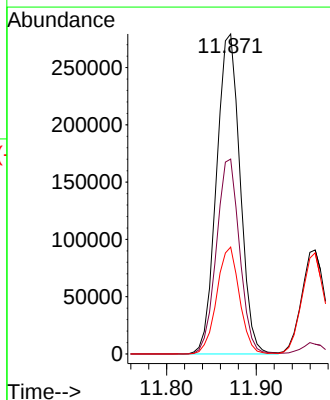
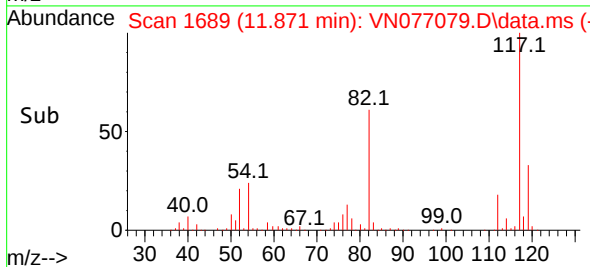
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

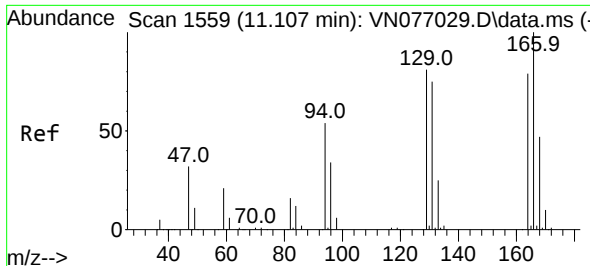


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



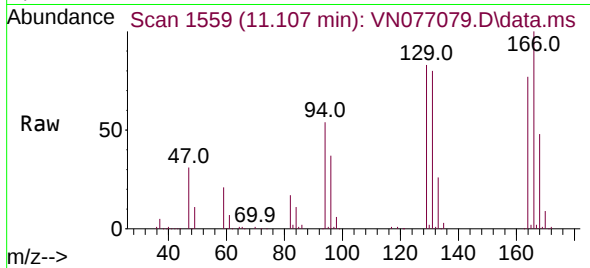
Tgt Ion:117 Resp: 509651
Ion Ratio Lower Upper
117 100
82 60.9 49.4 74.0
119 33.4 26.5 39.7





#64
Tetrachloroethene
Concen: 53.272 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

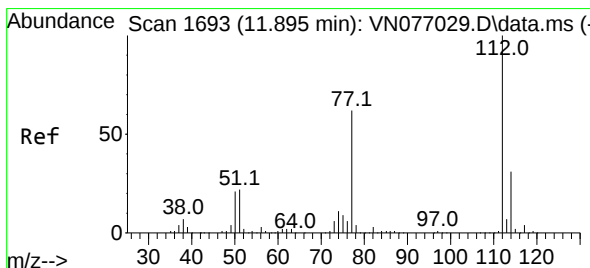
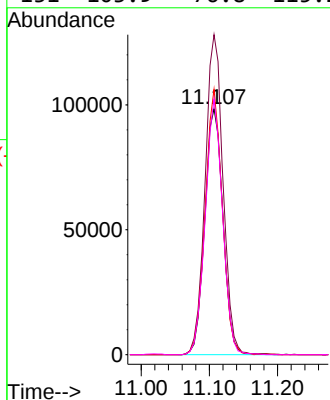
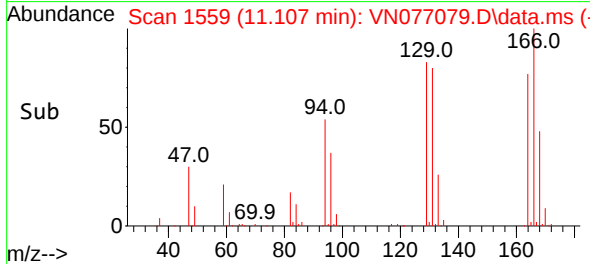
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion:164 Resp: 182214
Ion Ratio Lower Upper
164 100
166 130.1 101.9 152.9
129 107.9 82.6 123.8
131 103.9 76.8 115.2

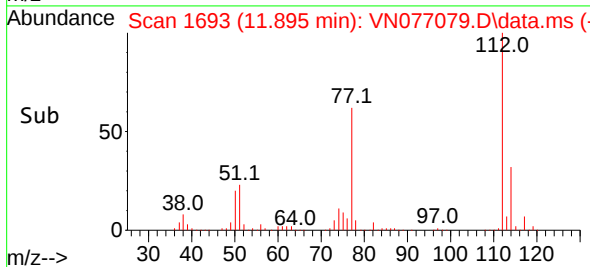
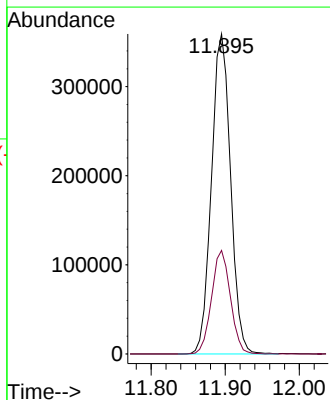
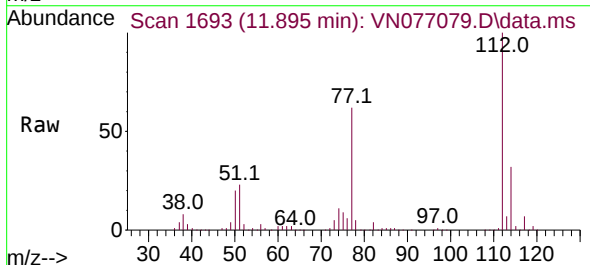
Manual Integrations
APPROVED

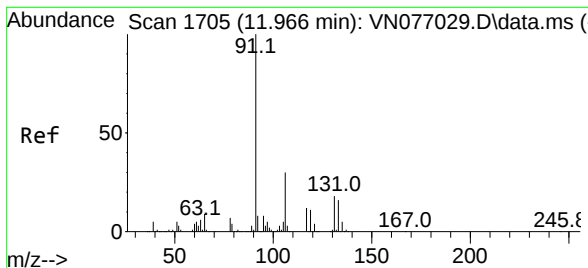
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#65
Chlorobenzene
Concen: 54.832 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

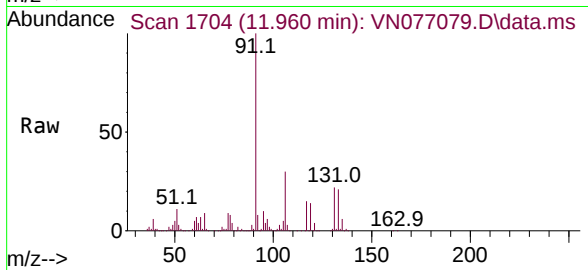
Tgt Ion:112 Resp: 642978
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2





#66
1,1,1,2-Tetrachloroethane
Concen: 54.862 ug/l
RT: 11.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

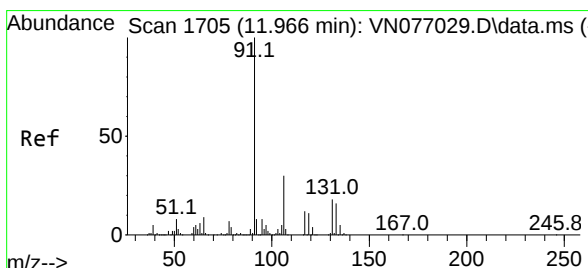
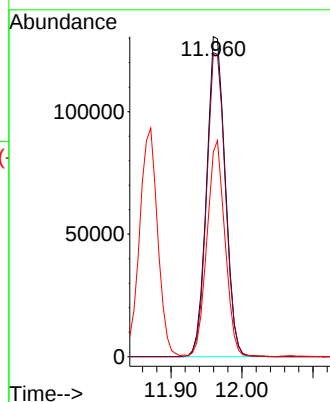
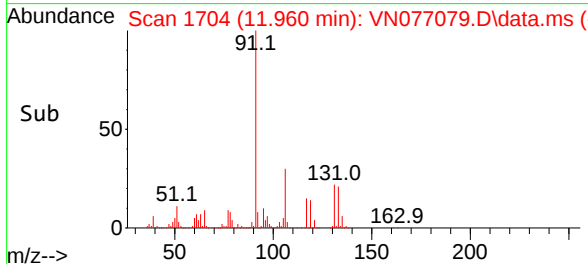
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion:131 Resp: 238050
Ion Ratio Lower Upper
131 100
133 95.6 46.8 140.3
119 65.3 32.6 97.8

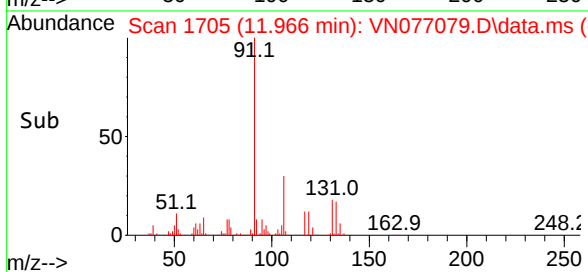
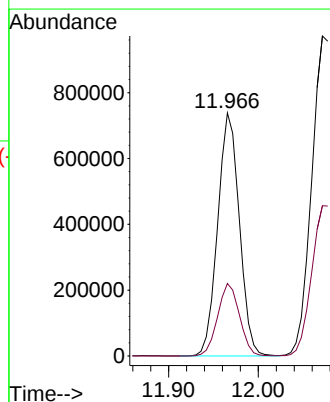
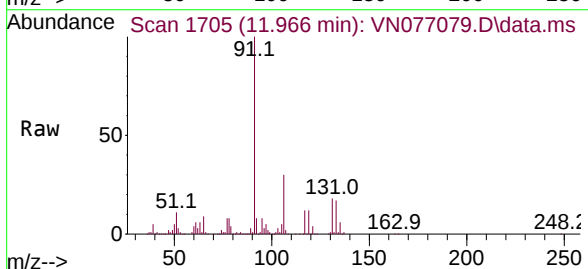
Manual Integrations
APPROVED

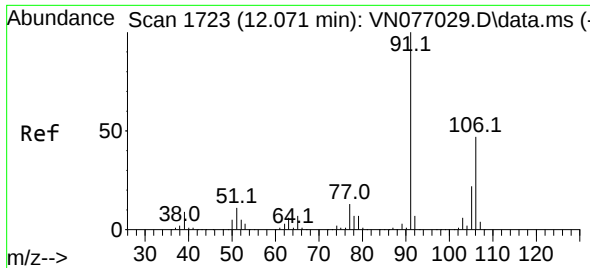
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#67
Ethyl Benzene
Concen: 58.044 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 91 Resp: 1236335
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5





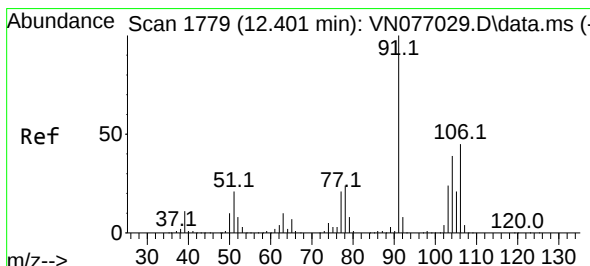
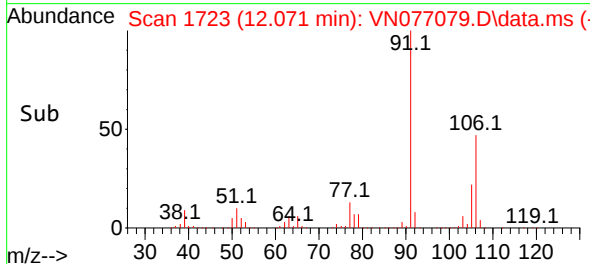
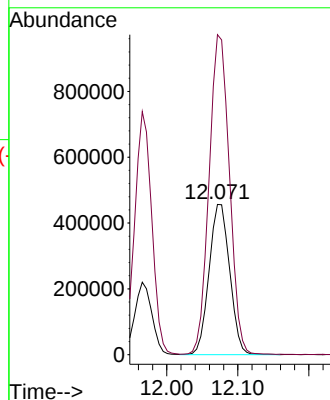
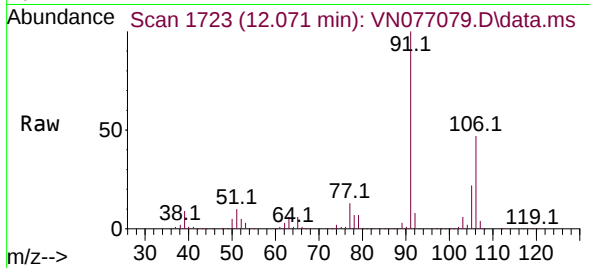
#68
m/p-Xylenes
Concen: 116.480 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD

Tgt Ion:106 Resp: 920119
Ion Ratio Lower Upper
106 100
91 210.6 168.0 252.0

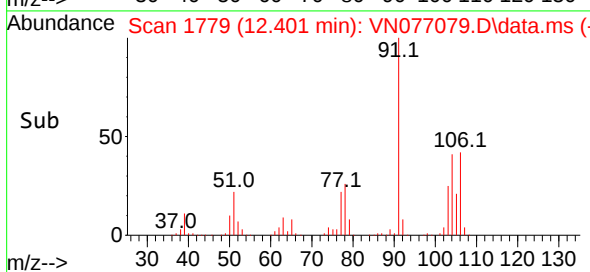
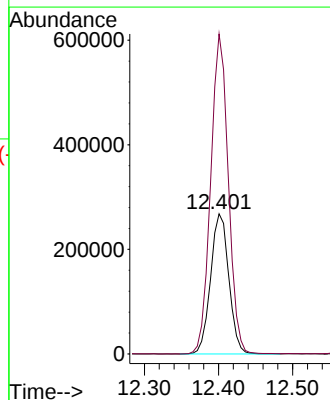
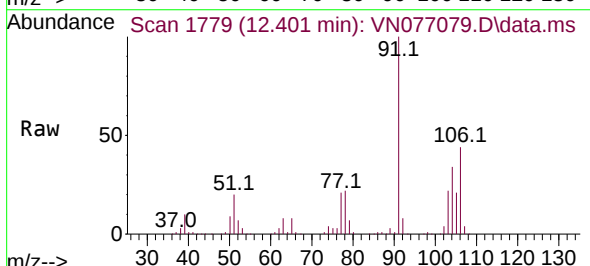
Manual Integrations
APPROVED

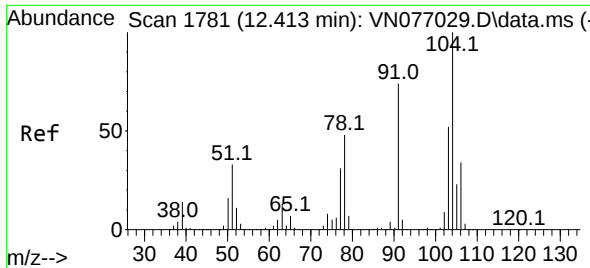
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#69
o-Xylene
Concen: 58.294 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

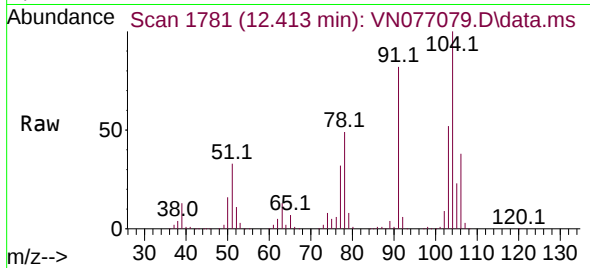
Tgt Ion:106 Resp: 457549
Ion Ratio Lower Upper
106 100
91 221.2 110.3 330.9





#70
Styrene
Concen: 61.264 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

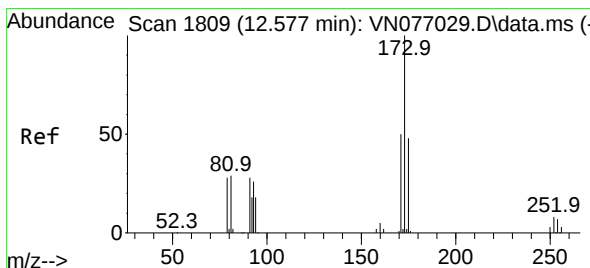
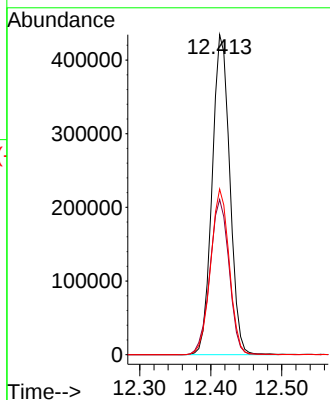
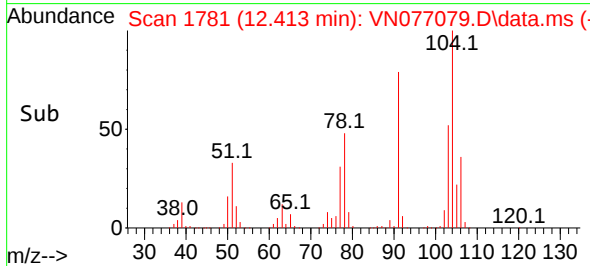
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion:104 Resp: 748639
Ion Ratio Lower Upper
104 100
78 52.6 41.8 62.8
103 54.5 43.8 65.6

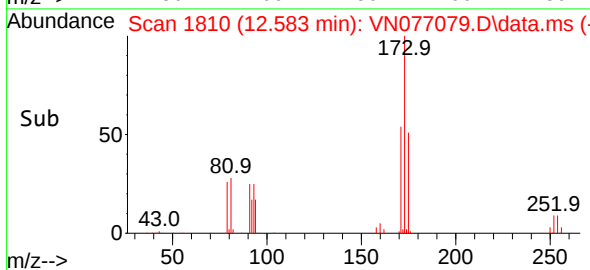
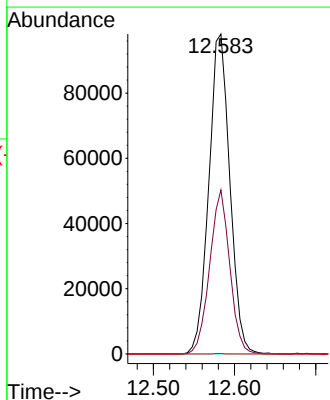
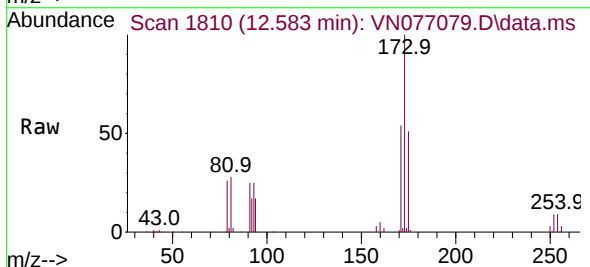
Manual Integrations
APPROVED

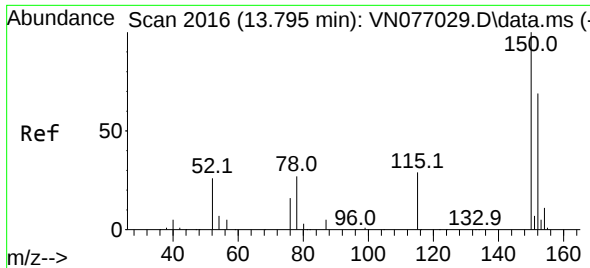
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#71
Bromoform
Concen: 59.998 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

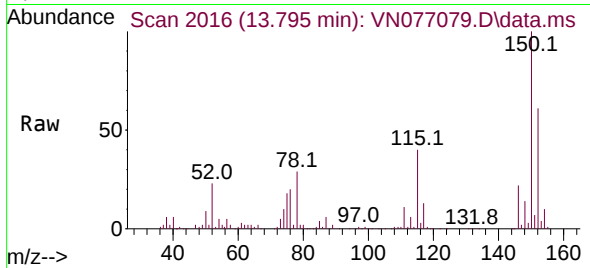
Tgt Ion:173 Resp: 176407
Ion Ratio Lower Upper
173 100
175 48.9 24.5 73.5
254 0.1 0.1 0.1#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

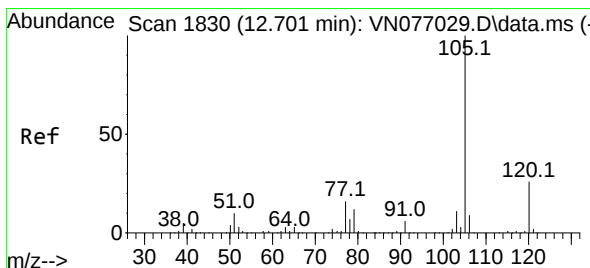
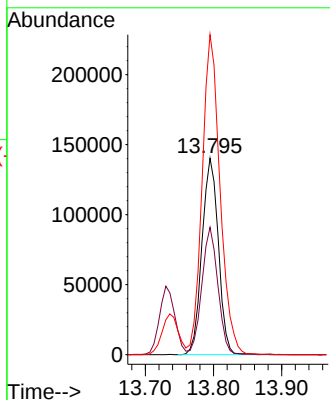
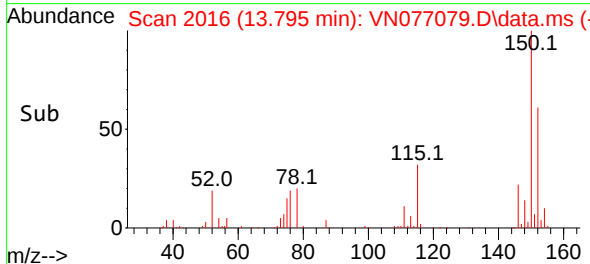
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



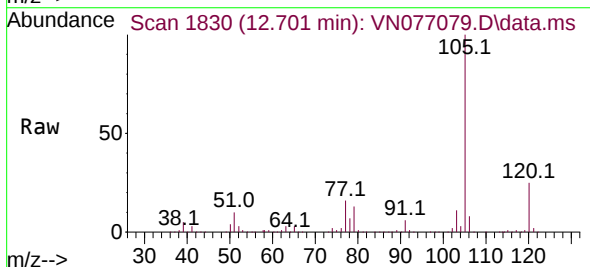
Tgt Ion:152 Resp: 234750
Ion Ratio Lower Upper
152 100
115 63.5 31.9 95.7
150 177.1 0.0 348.0

Manual Integrations
APPROVED

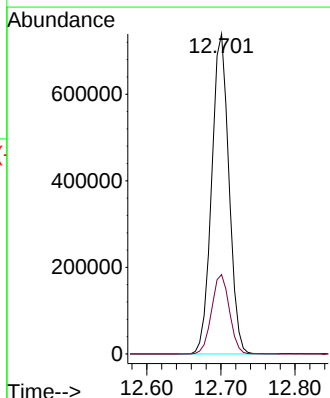
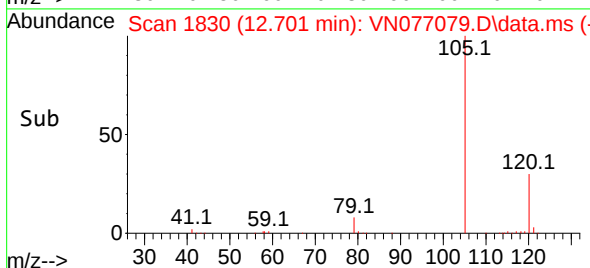
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

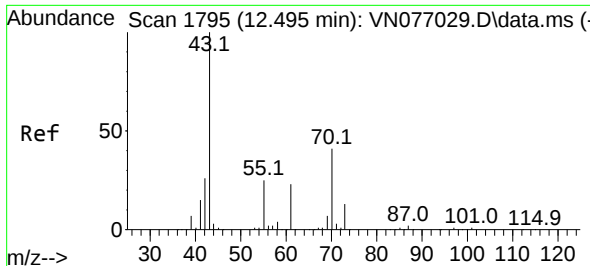


#73
Isopropylbenzene
Concen: 56.763 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



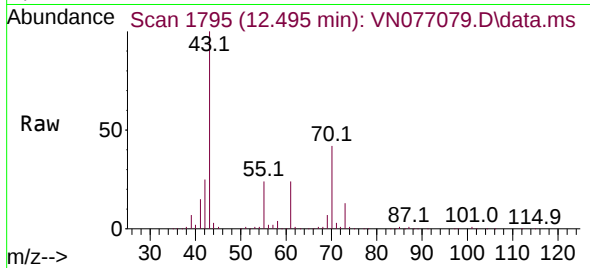
Tgt Ion:105 Resp: 1194157
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4





#74
N-amy1 acetate
Concen: 55.665 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

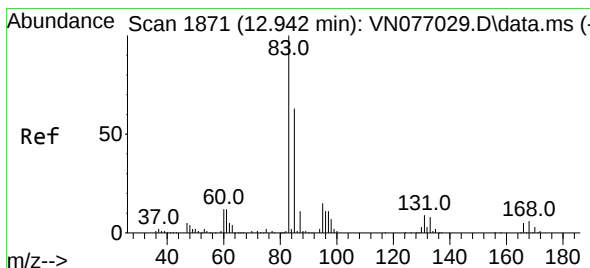
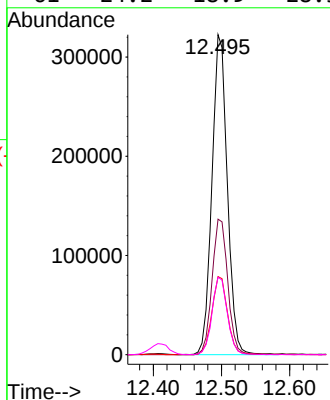
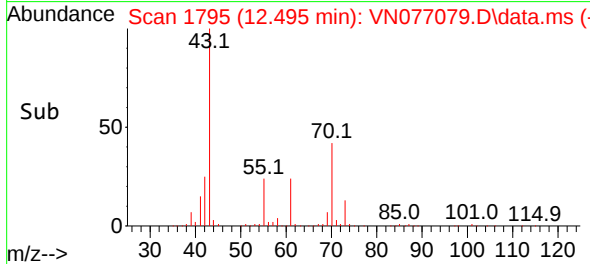
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 43 Resp: 506874
Ion Ratio Lower Upper
43 100
70 43.2 33.6 50.4
55 25.0 20.3 30.5
61 24.2 18.9 28.3

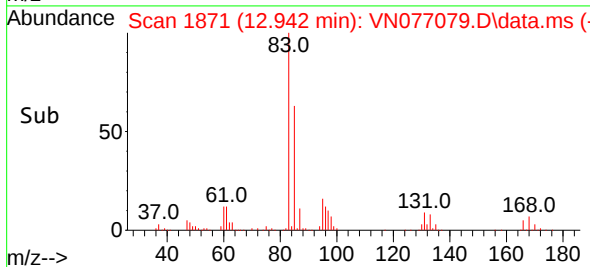
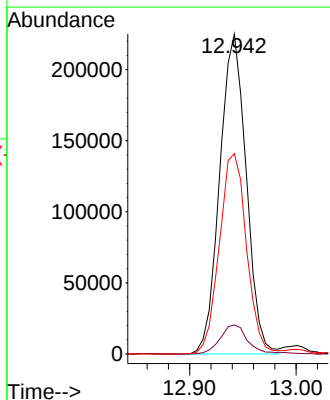
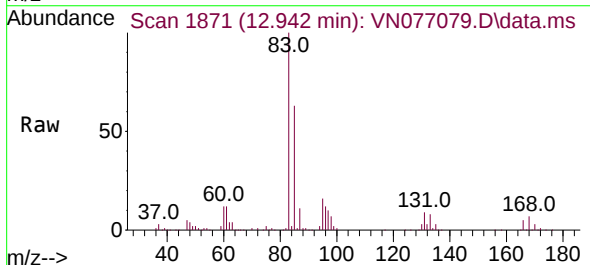
Manual Integrations
APPROVED

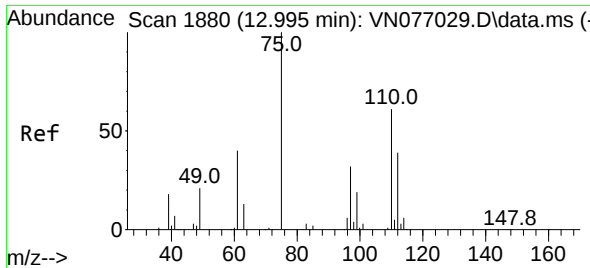
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#75
1,1,2,2-Tetrachloroethane
Concen: 51.039 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion: 83 Resp: 389003
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.7
85 64.1 31.9 95.9





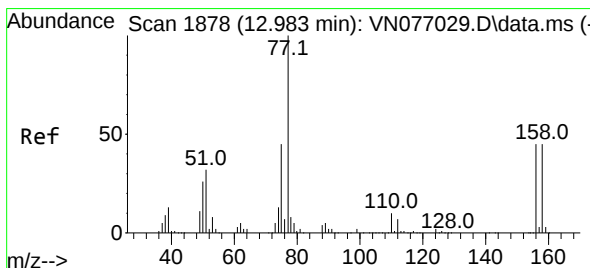
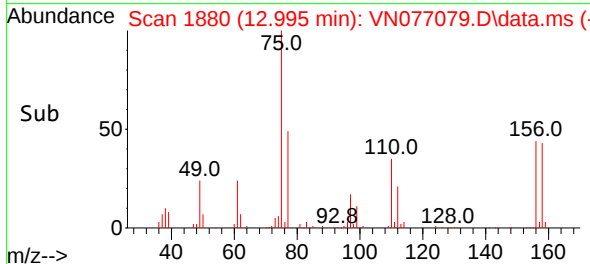
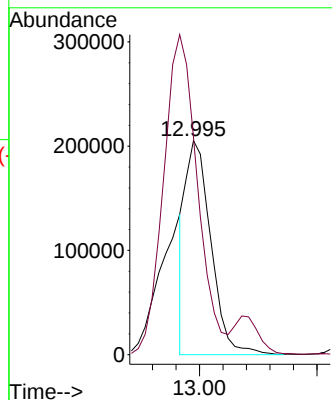
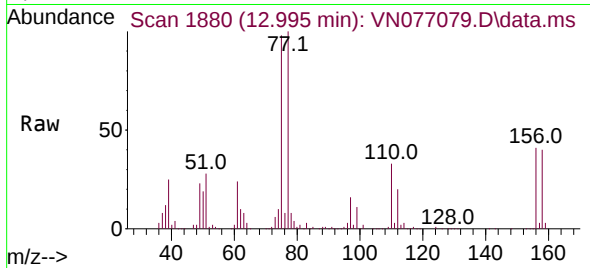
#76
1,2,3-Trichloropropane
Concen: 50.726 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD

Tgt Ion: 75 Resp: 308014
Ion Ratio Lower Upper
75 100
77 200.8 107.3 322.0

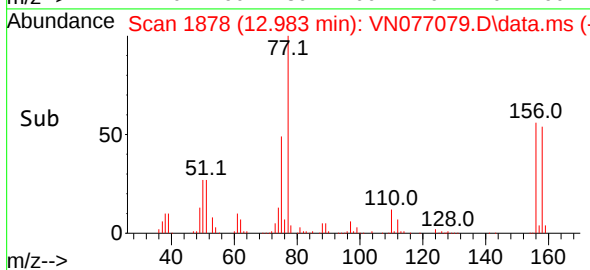
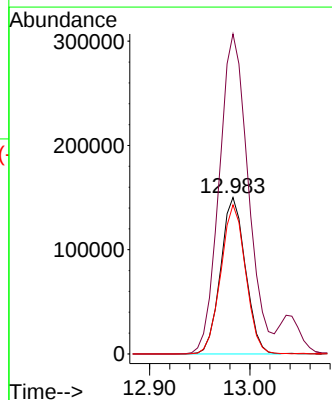
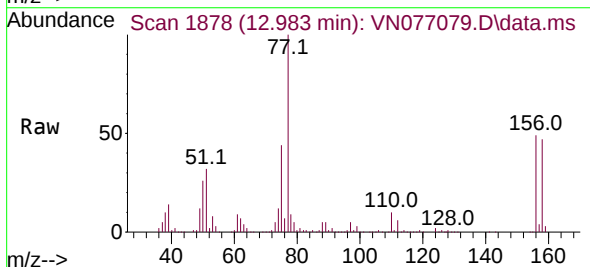
Manual Integrations
APPROVED

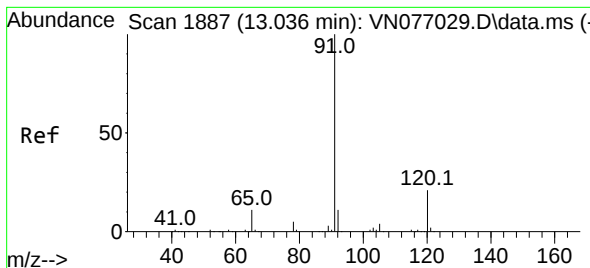
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#77
Bromobenzene
Concen: 54.585 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion:156 Resp: 257243
Ion Ratio Lower Upper
156 100
77 240.4 124.8 374.3
158 95.3 48.6 145.9





#78

n-propylbenzene

Concen: 58.093 ug/l

RT: 13.042 min Scan# 1887

Delta R.T. 0.006 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion: 91 Resp: 141083

Ion Ratio Lower Upper

91 100

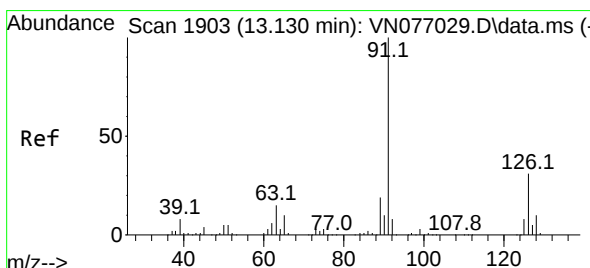
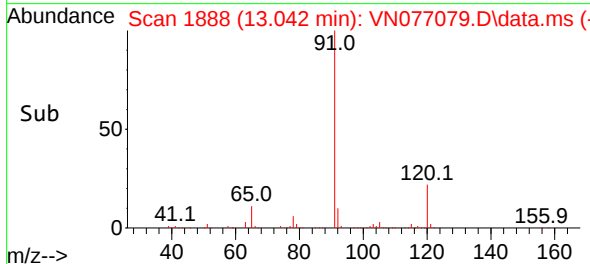
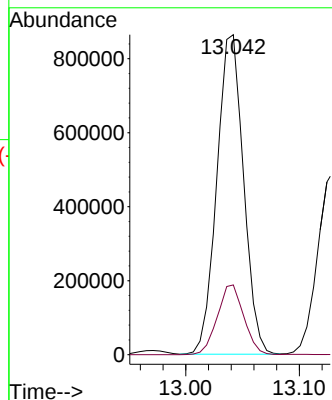
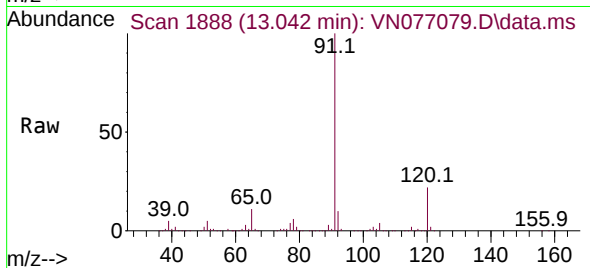
120 21.7 10.8 32.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#79

2-Chlorotoluene

Concen: 55.386 ug/l

RT: 13.130 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VN077079.D

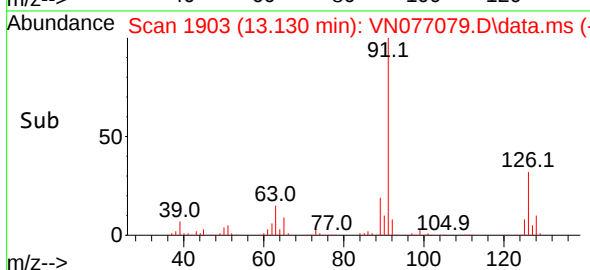
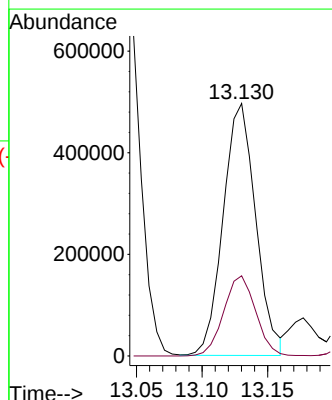
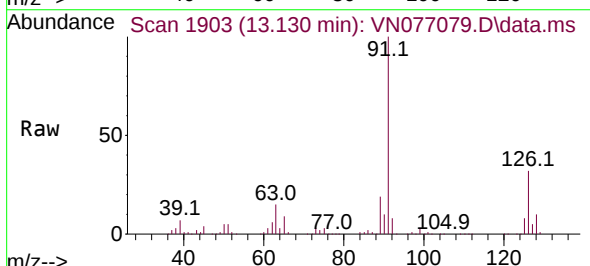
Acq: 20 Mar 2023 19:31

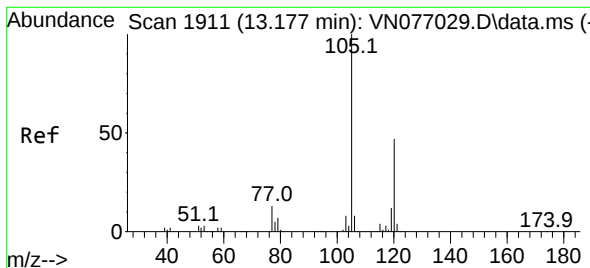
Tgt Ion: 91 Resp: 857090

Ion Ratio Lower Upper

91 100

126 31.3 15.2 45.5





#80

1,3,5-Trimethylbenzene

Concen: 58.643 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion:105 Resp: 103003

Ion Ratio Lower Upper

105 100

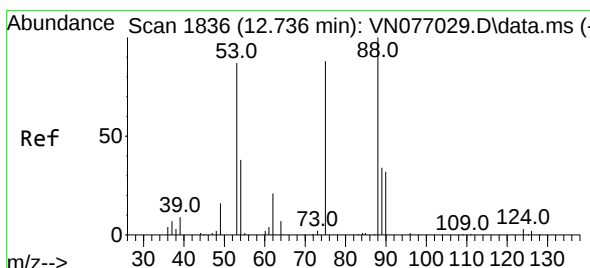
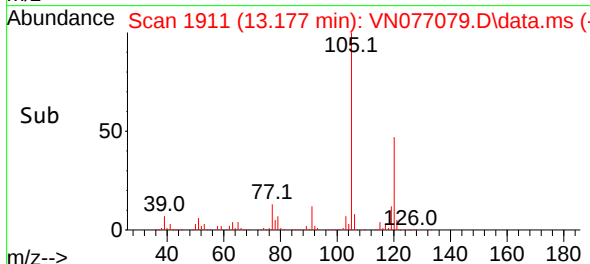
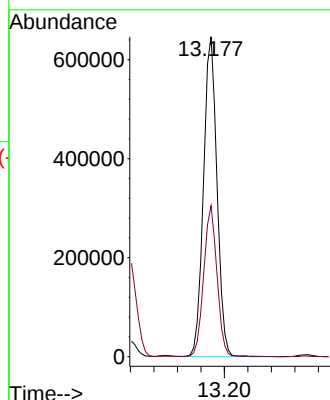
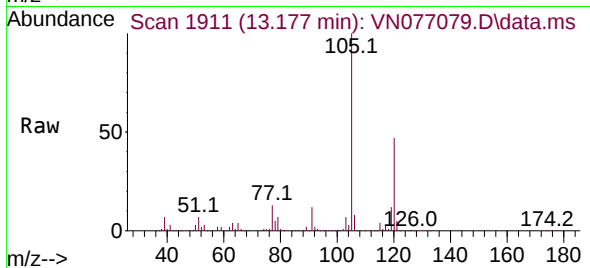
120 46.3 23.4 70.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#81

trans-1,4-Dichloro-2-butene

Concen: 55.368 ug/l

RT: 12.742 min Scan# 1837

Delta R.T. 0.006 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

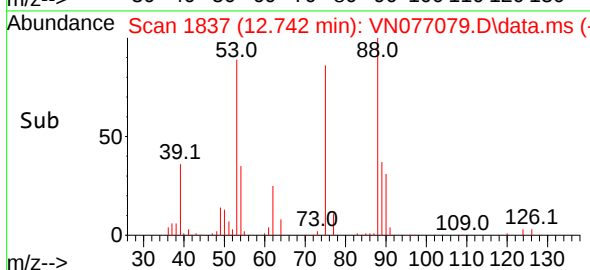
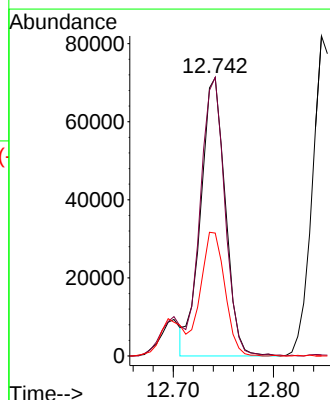
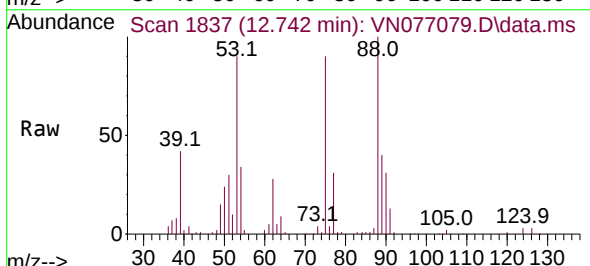
Tgt Ion: 75 Resp: 122142

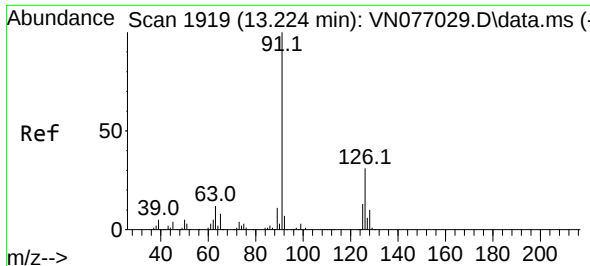
Ion Ratio Lower Upper

75 100

53 98.3 80.8 121.2

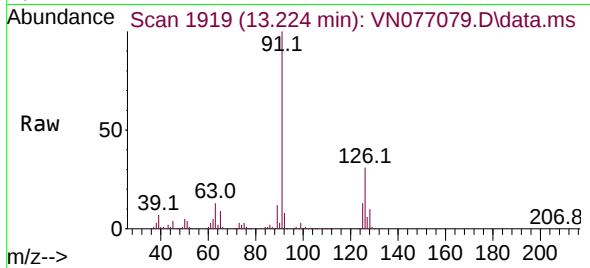
89 43.8 34.2 51.4





#82
4-Chlorotoluene
Concen: 56.743 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

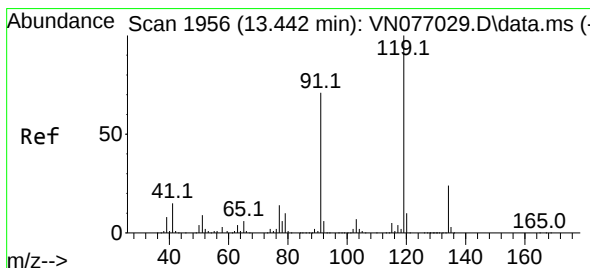
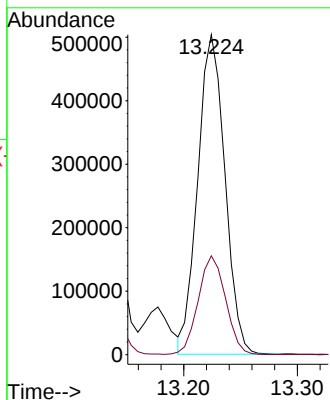
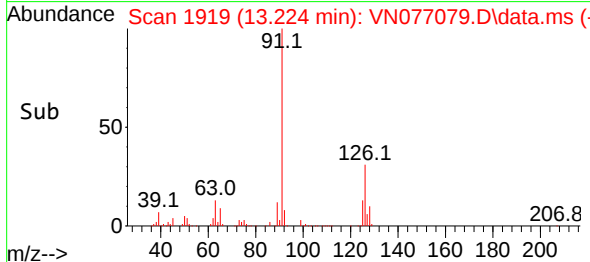
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



Tgt Ion: 91 Resp: 83498
Ion Ratio Lower Upper
91 100
126 31.3 15.5 46.5

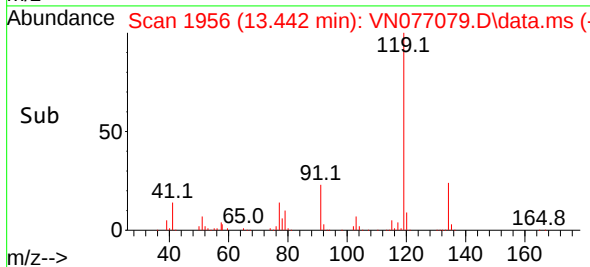
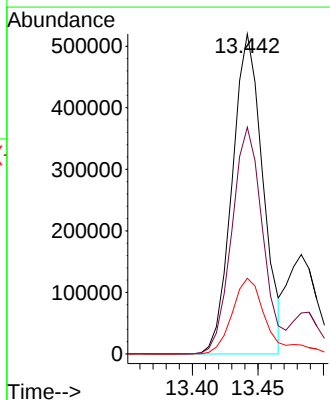
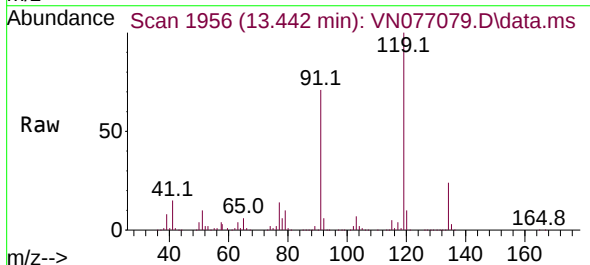
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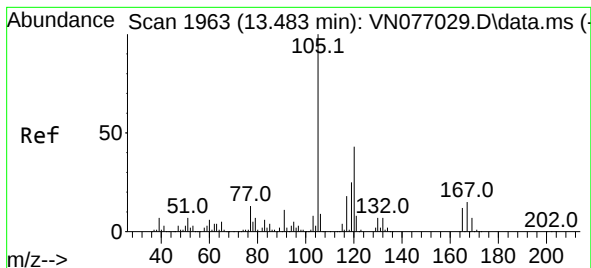
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#83
tert-Butylbenzene
Concen: 57.425 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Tgt Ion:119 Resp: 846864
Ion Ratio Lower Upper
119 100
91 71.9 35.8 107.3
134 26.7 13.3 39.8





#84

1,2,4-Trimethylbenzene

Concen: 58.527 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077079.D

Acq: 20 Mar 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

TT180D1-20230313MSD

Tgt Ion:105 Resp: 102586

Ion Ratio Lower Upper

105 100

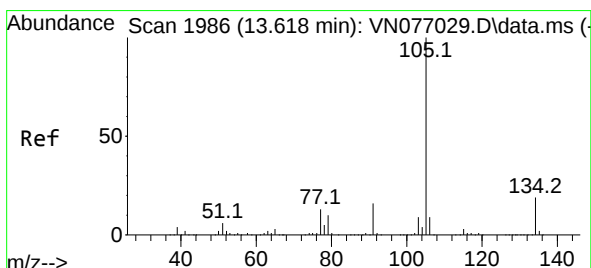
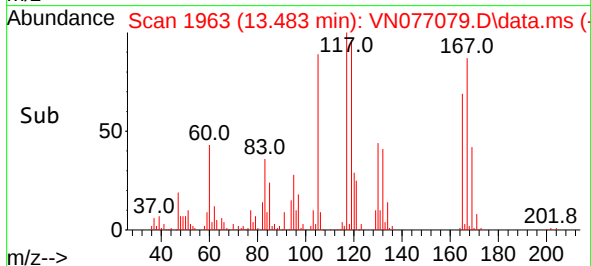
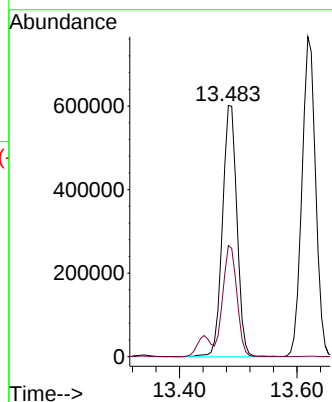
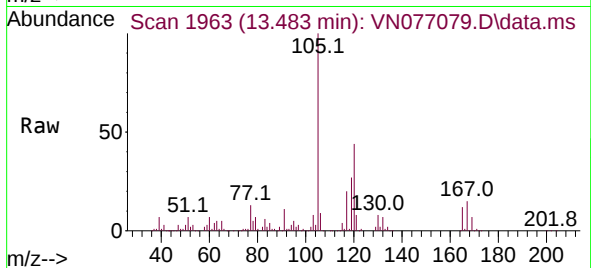
120 42.7 21.8 65.3

Manual Integrations

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Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#85

sec-Butylbenzene

Concen: 58.867 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077079.D

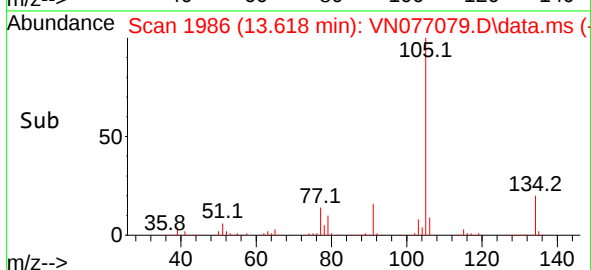
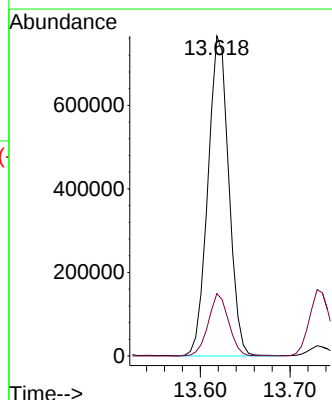
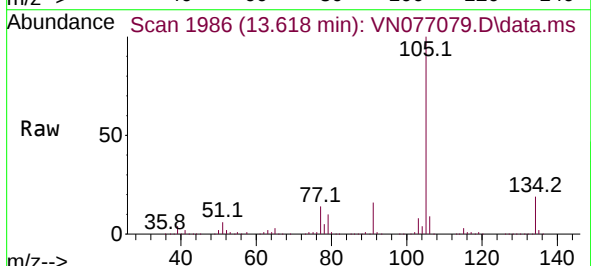
Acq: 20 Mar 2023 19:31

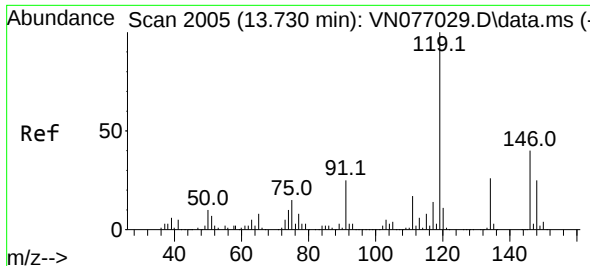
Tgt Ion:105 Resp: 1234907

Ion Ratio Lower Upper

105 100

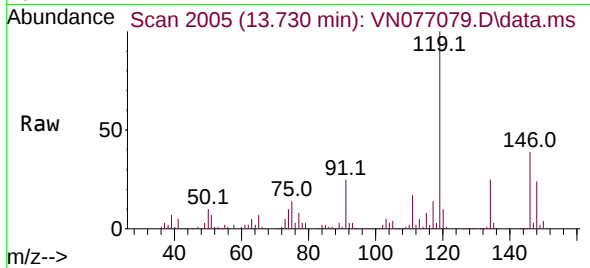
134 19.1 9.3 27.9





#86
p-Isopropyltoluene
Concen: 59.368 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

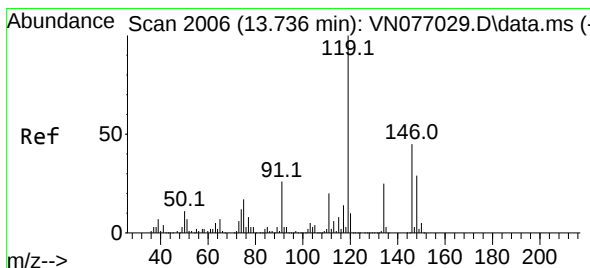
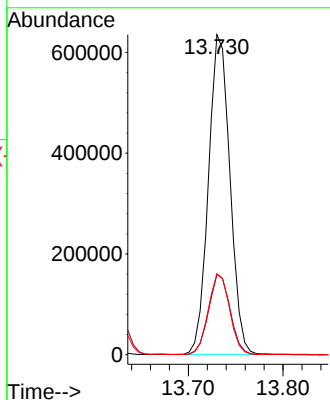
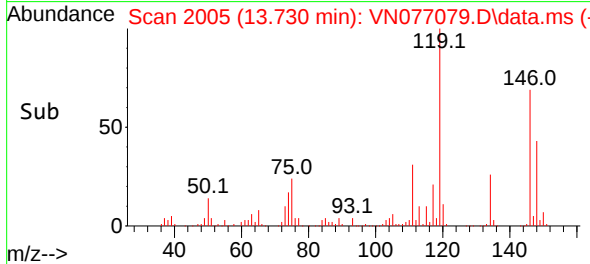
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



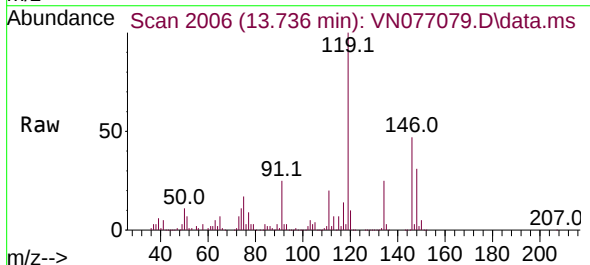
Tgt Ion:119 Resp: 1000138
Ion Ratio Lower Upper
119 100
134 25.1 12.8 38.4
91 25.1 12.7 38.1

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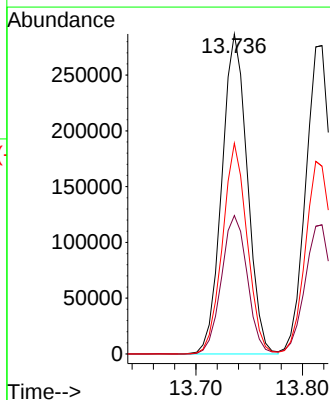
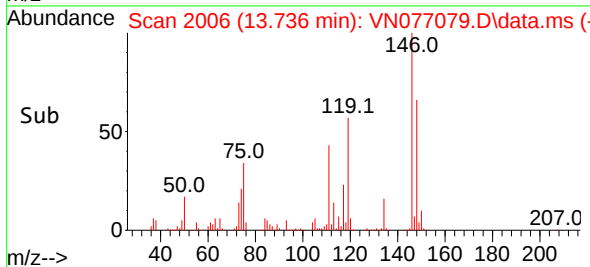
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

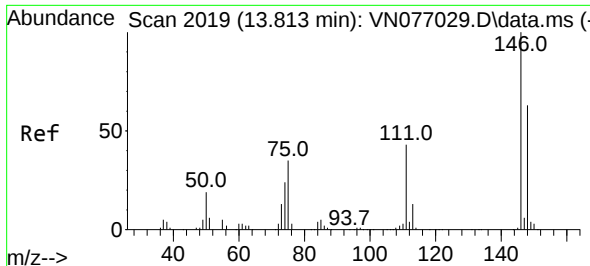


#87
1,3-Dichlorobenzene
Concen: 53.577 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



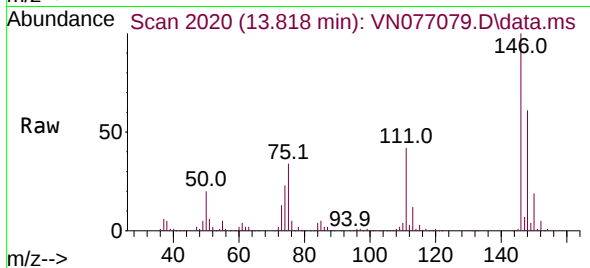
Tgt Ion:146 Resp: 477201
Ion Ratio Lower Upper
146 100
111 43.6 21.9 65.5
148 63.7 32.1 96.5





#88
1,4-Dichlorobenzene
Concen: 52.778 ug/l
RT: 13.818 min Scan# 2019
Delta R.T. 0.005 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

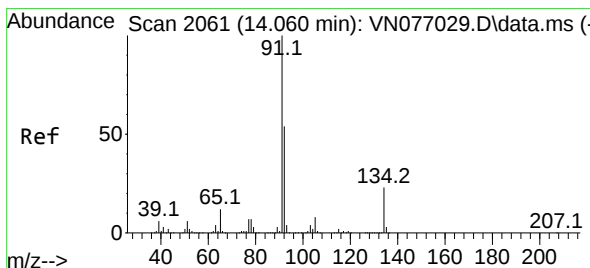
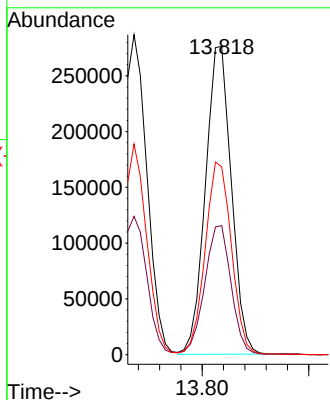
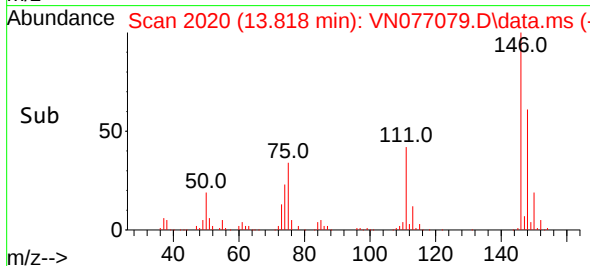
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



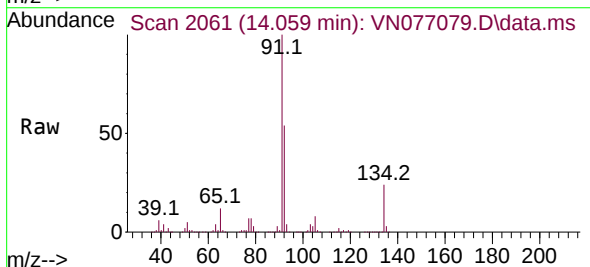
Tgt Ion:146 Resp: 467704
Ion Ratio Lower Upper
146 100
111 43.2 21.5 64.5
148 63.6 31.9 95.9

Manual Integrations
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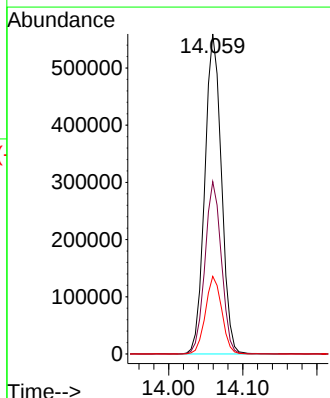
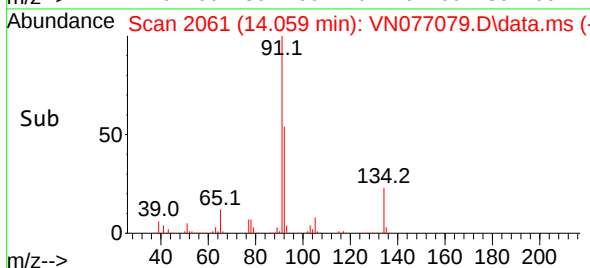
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

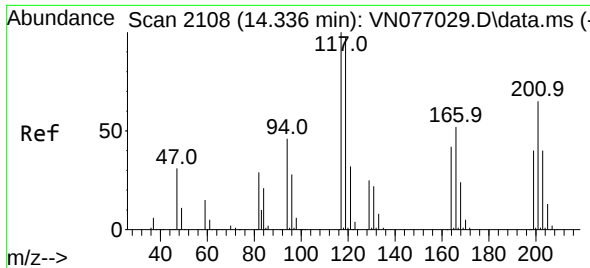


#89
n-Butylbenzene
Concen: 59.029 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



Tgt Ion: 91 Resp: 872389
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.5
134 23.8 11.7 35.1





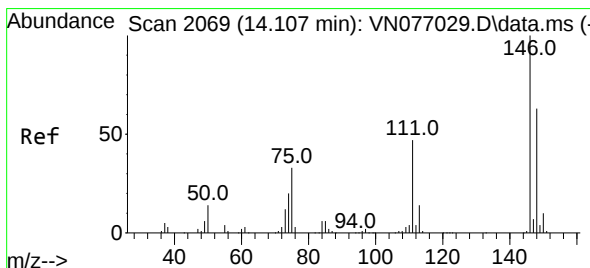
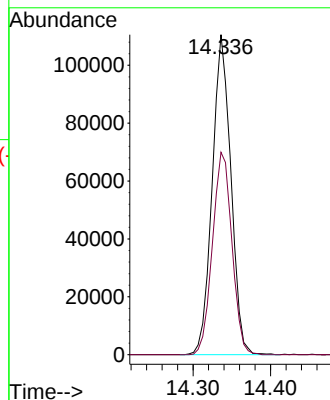
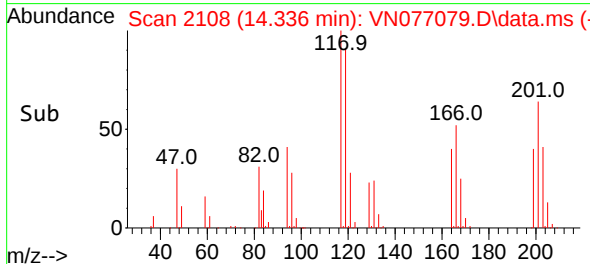
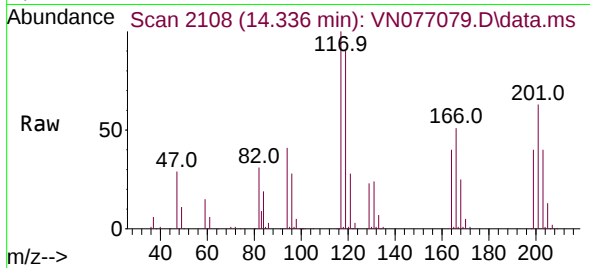
#90
Hexachloroethane
Concen: 53.870 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD

Tgt Ion:117 Resp: 18451
Ion Ratio Lower Upper
117 100
201 66.0 32.5 97.4

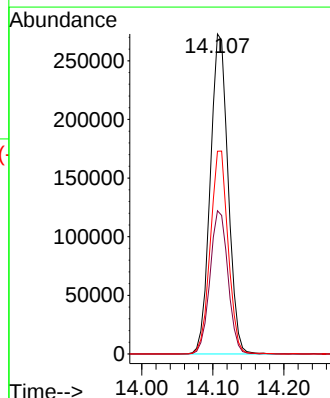
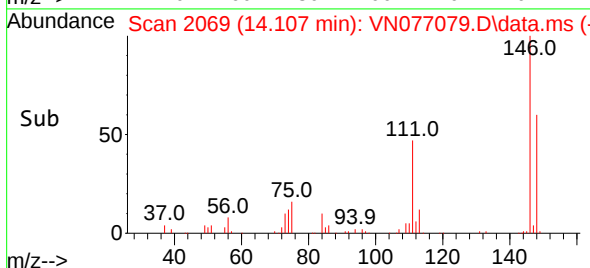
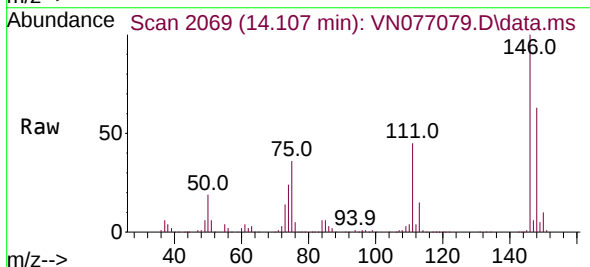
Manual Integrations
APPROVED

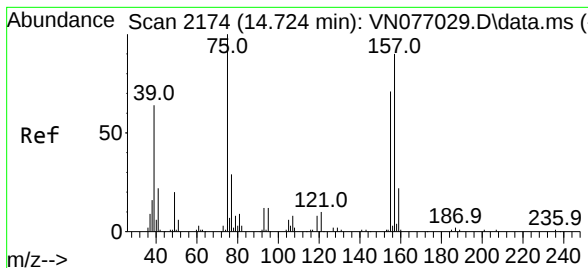
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#91
1,2-Dichlorobenzene
Concen: 53.500 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

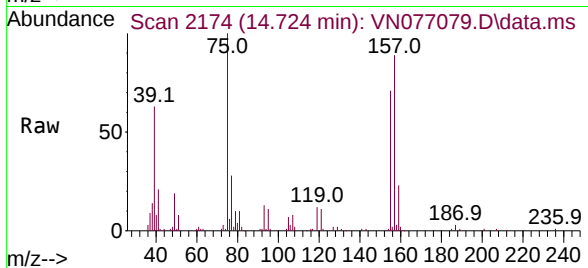
Tgt Ion:146 Resp: 474987
Ion Ratio Lower Upper
146 100
111 45.0 22.6 67.7
148 63.2 31.6 95.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 56.063 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

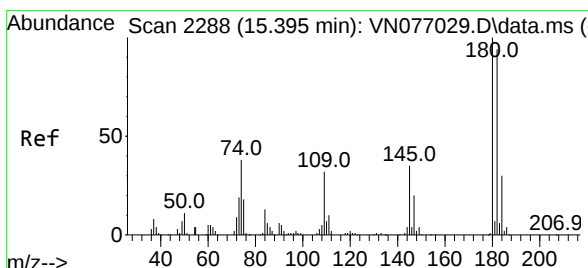
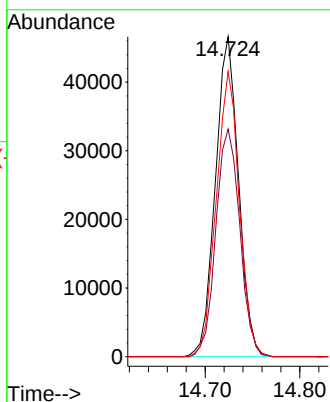
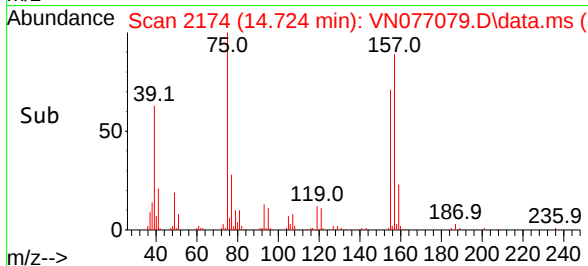
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



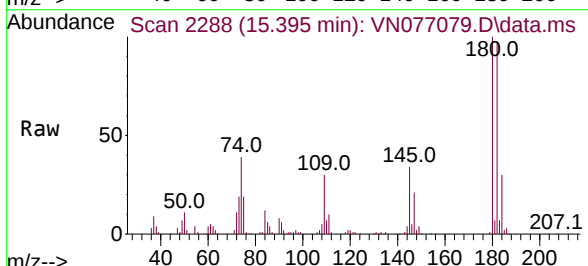
Tgt Ion: 75 Resp: 7917
Ion Ratio Lower Upper
75 100
155 73.6 36.1 108.3
157 88.9 45.8 137.3

Manual Integrations
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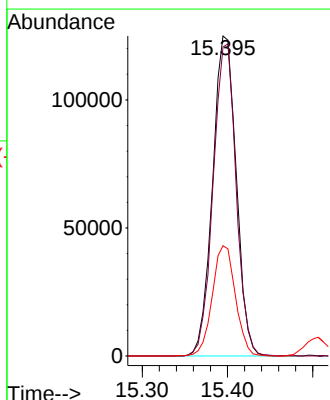
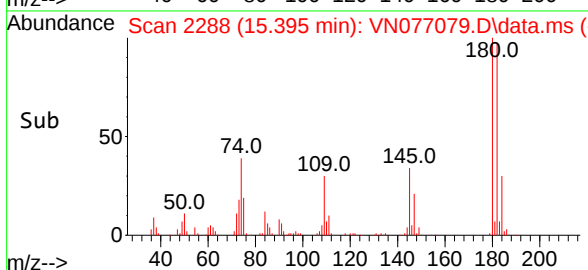
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

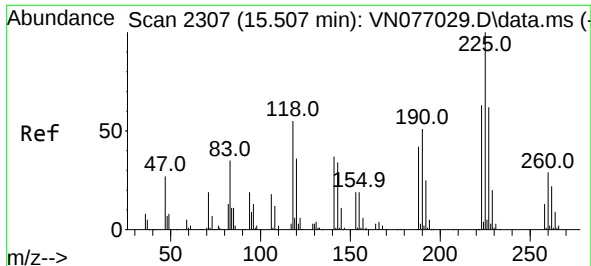


#93
1,2,4-Trichlorobenzene
Concen: 60.042 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



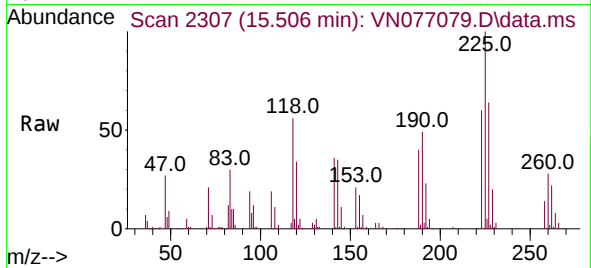
Tgt Ion:180 Resp: 240978
Ion Ratio Lower Upper
180 100
182 94.9 47.3 141.9
145 33.8 16.9 50.7





#94
Hexachlorobutadiene
Concen: 52.352 ug/l
RT: 15.506 min Scan# 211
Delta R.T. -0.001 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31

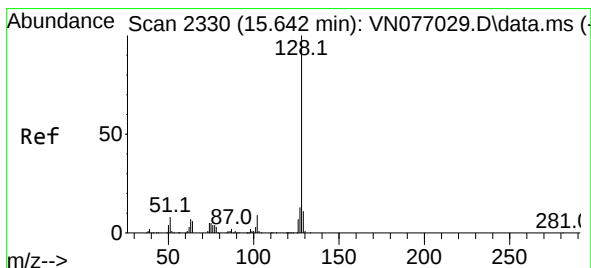
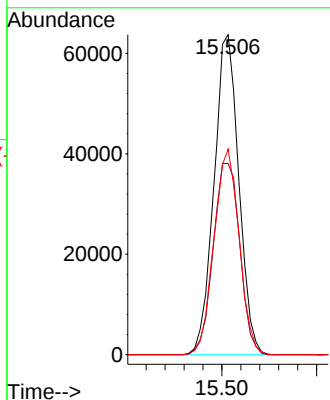
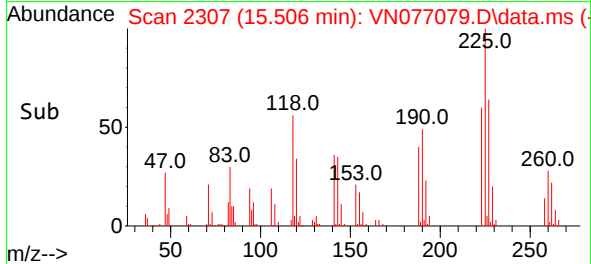
Instrument :
MSVOA_N
ClientSampleId :
TT180D1-20230313MSD



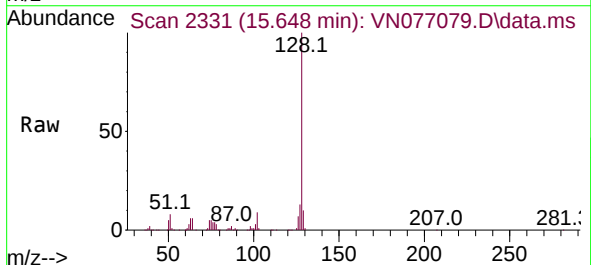
Tgt Ion:225 Resp: 115714
Ion Ratio Lower Upper
225 100
223 64.1 31.6 95.0
227 65.1 31.3 93.8

Manual Integrations
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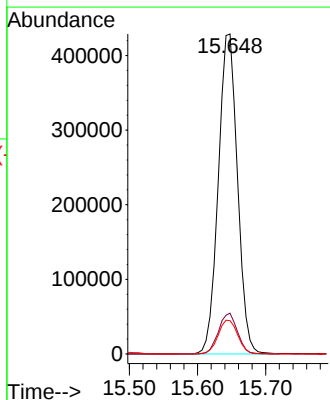
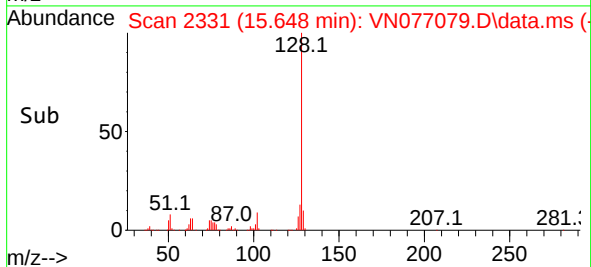
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

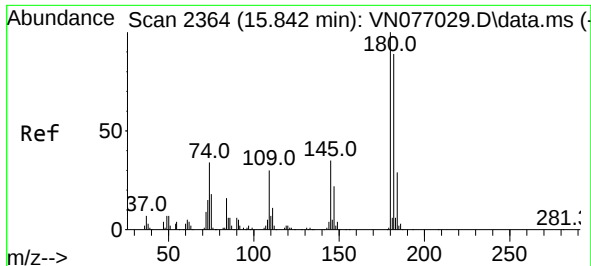


#95
Naphthalene
Concen: 53.729 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077079.D
Acq: 20 Mar 2023 19:31



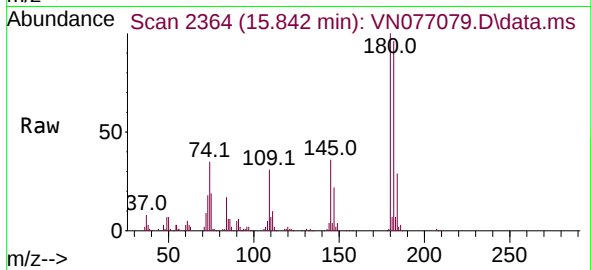
Tgt Ion:128 Resp: 840318
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 59.625 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077079.D
 Acq: 20 Mar 2023 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D1-20230313MSD



Tgt Ion:180 Resp: 240120
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.2
 145 35.5 17.9 53.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023

