

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078727.D
 Acq On : 01 Aug 2023 20:14
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 04:52:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.365	128	139897m	30.000	ug/l	-0.46
28) 1,4-Difluorobenzene	8.865	114	602488	30.000	ug/l	-0.25
57) Chlorobenzene-d5	11.817	117	720036	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.265	65	264367	25.210	ug/l	-0.32
Spiked Amount 30.000	Range 91 - 110		Recovery =	84.033%	#	
60) 4-Bromofluorobenzene	12.829	95	291277	26.993	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.967%		
63) Toluene-d8	10.453	98	832175	23.396	ug/l	-0.12
Spiked Amount 30.000	Range 91 - 112		Recovery =	78.000%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.377	85	70341m	7.971	ug/l	
7) Trichlorofluoromethane	3.377	101	160217	10.581	ug/l	93
12) Methyl Acetate	4.883	43	99734	7.889	ug/l	96
22) cis-1,2-Dichloroethene	6.965	96	201188	19.880	ug/l	99
26) Cyclohexane	7.977	56	262699	22.478	ug/l #	3
29) 1,1-Dichloropropene	8.029	75	193620	21.841	ug/l	98
32) 1,1,1-Trichloroethane	7.788	97	276379	24.641	ug/l	97
33) Carbon Tetrachloride	8.006	117	222559	22.341	ug/l	94
34) Benzene	8.294	78	592871	22.263	ug/l	98
35) Methacrylonitrile	7.341	41	81144	21.085	ug/l	85
36) 1,2-Dichloroethane	8.376	62	208177	22.259	ug/l	99
38) Methylcyclohexane	9.406	83	218301	23.966	ug/l	97
40) Dibromomethane	9.529	93	118239	23.930	ug/l	96
41) Bromodichloromethane	9.729	83	208115	21.068	ug/l	95
45) 1,4-Dioxane	9.623	88	701	5.995	ug/l #	1
46) Methyl methacrylate	9.518	41	137959	23.700	ug/l	96
47) n-amyl Acetate	12.476	43	237465	24.256	ug/l	98
49) cis-1,3-Dichloropropene	10.188	75	310403	27.720	ug/l	97
50) 1,1,2-Trichloroethane	10.935	97	145127	20.749	ug/l	98
51) Ethyl methacrylate	10.794	69	238479	24.904	ug/l	89
52) 1,3-Dichloropropane	11.088	76	323412	25.727	ug/l	100
53) Dibromochloromethane	11.294	129	157542	19.939	ug/l	97
54) 1,2-Dibromoethane	11.400	107	144542	20.581	ug/l	99
55) 2-Chloroethyl vinyl ether	10.029	63	337640	110.654	ug/l	100
56) Bromoform	12.547	173	127943	24.747	ug/l	96
58) 4-Methyl-2-Pentanone	10.335	43	1001940	92.967	ug/l	100
59) 2-Hexanone	11.129	43	713516	87.438	ug/l	100
61) Tetrachloroethene	11.018	164	123926	13.089	ug/l	97
62) Toluene	10.523	91	635793	14.680	ug/l	100
64) Chlorobenzene	11.841	112	504314	19.944	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.917	131	198075	19.862	ug/l	99
66) Ethyl Benzene	11.923	91	881836	20.202	ug/l	98
67) m/p-Xylenes	12.029	106	660044	39.586	ug/l	100
68) o-Xylene	12.364	106	290240	17.107	ug/l	96
69) Styrene	12.382	104	444100	16.269	ug/l	99
70) Isopropylbenzene	12.670	105	756496	18.024	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.923	83	244313	17.920	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	277165	24.234	ug/l	58
73) Bromobenzene	12.959	156	169681	16.494	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) n-propylbenzene	13.017	91	725989	15.606	ug/l	100
75) 2-Chlorotoluene	13.106	91	449289	13.985	ug/l	100
76) 1,3,5-Trimethylbenzene	13.159	105	510668	13.628	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	64370	16.104	ug/l	82
78) 4-Chlorotoluene	13.206	91	391422	12.619	ug/l	99
79) tert-butylbenzene	13.429	119	399298	12.380	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	435617	12.172	ug/l	100
81) sec-Butylbenzene	13.606	105	457902	11.076	ug/l	99
82) p-Isopropyltoluene	13.723	119	357315	10.528	ug/l	99
83) 1,3-Dichlorobenzene	13.723	146	195980	10.743	ug/l	97
84) 1,4-Dichlorobenzene	13.806	146	182574	10.690	ug/l	99
85) n-Butylbenzene	14.053	91	243792	10.359	ug/l	99
86) Hexachloroethane	14.329	117	77095	12.467	ug/l	96
87) 1,2-Dichlorobenzene	14.100	146	195047	11.424	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	24970	10.785	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	46802	9.608	ug/l	98
90) Hexachlorobutadiene	15.500	225	42967	11.578	ug/l	97
91) Naphthalene	15.641	128	124909	8.464	ug/l	97
92) 1,2,3-Trichlorobenzene	15.841	180	56042	10.109	ug/l	98

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

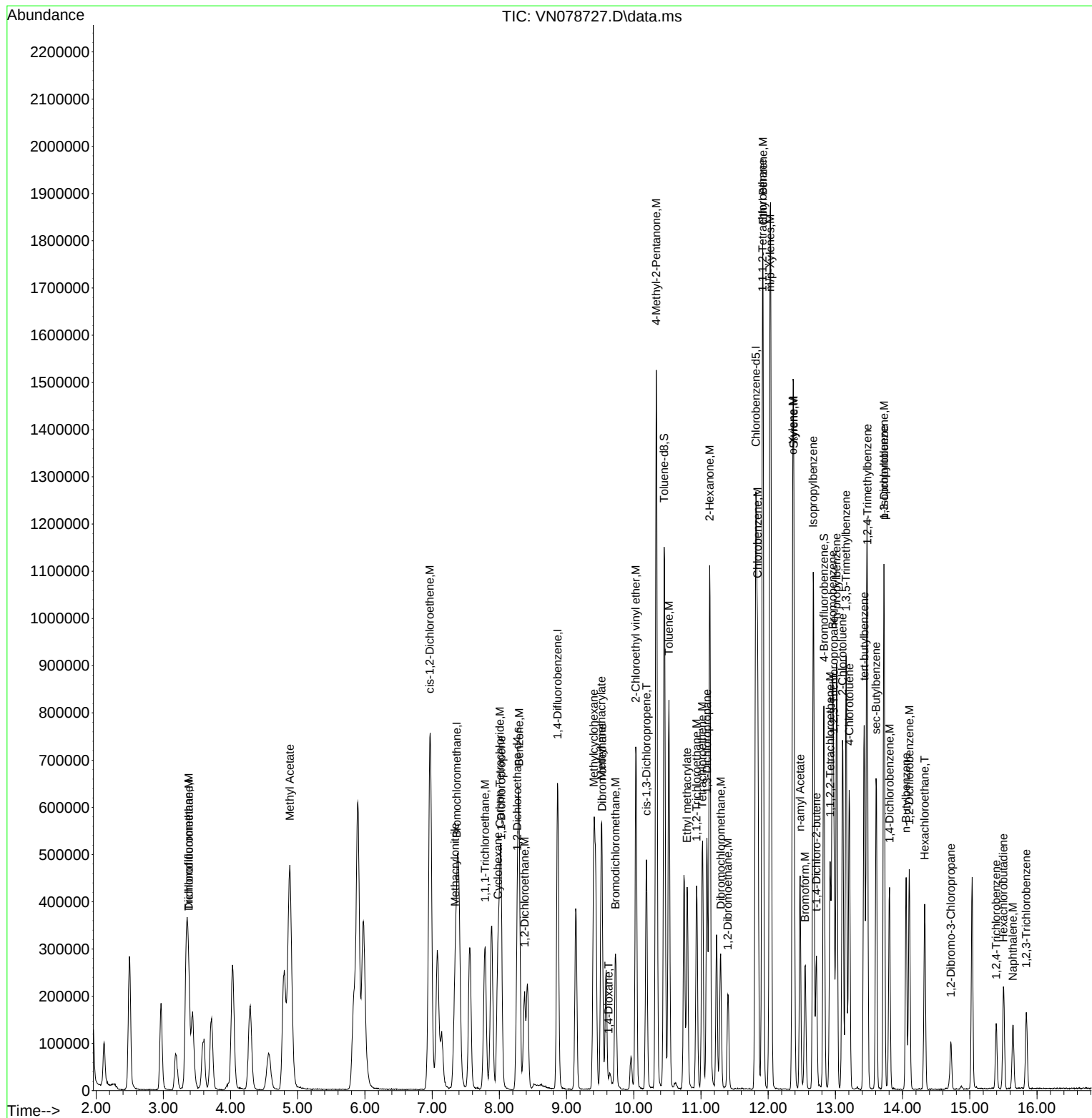
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 ALS Vial : 19 Sample Multiplier: 1

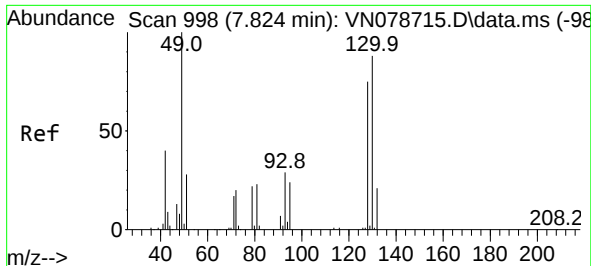
Instrument :
 MSVOA_N
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 VSTDCCC020EC

Manual Integrations APPROVED

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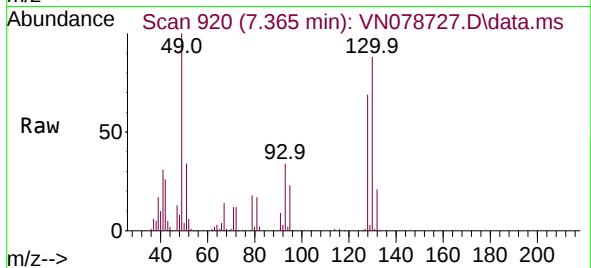
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 7.365 min Scan# 91
Delta R.T. -0.459 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

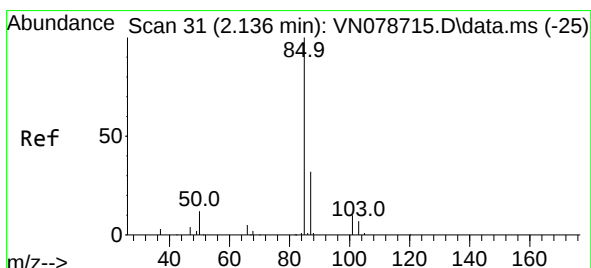
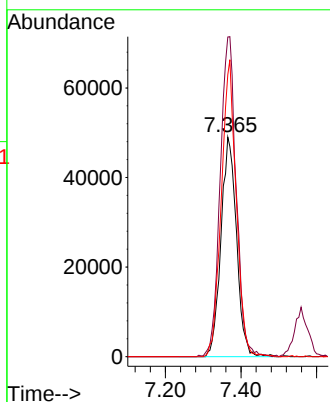
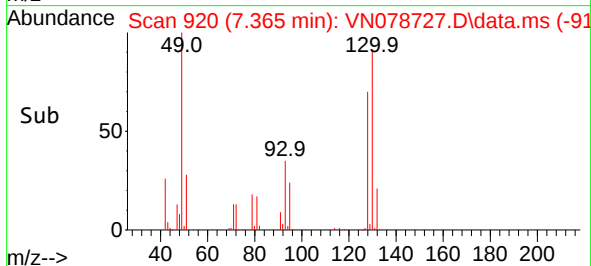
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 13989
Ion Ratio Lower Upper
128 100
49 0.1 0.0 370.8
130 0.1 0.0 307.0

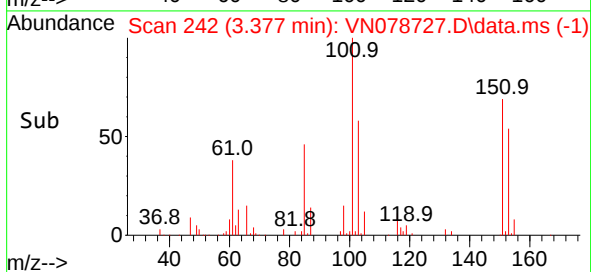
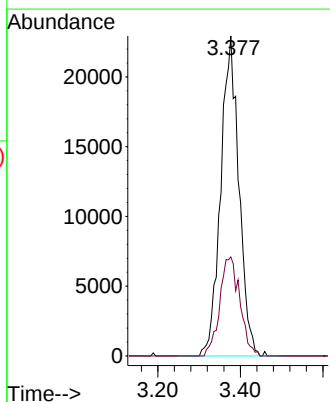
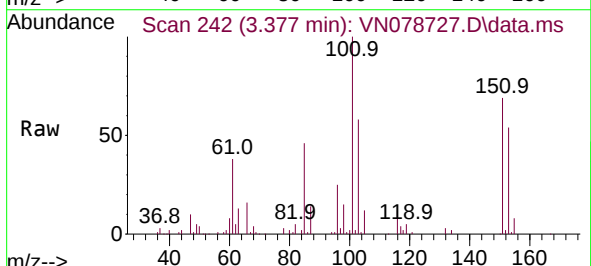
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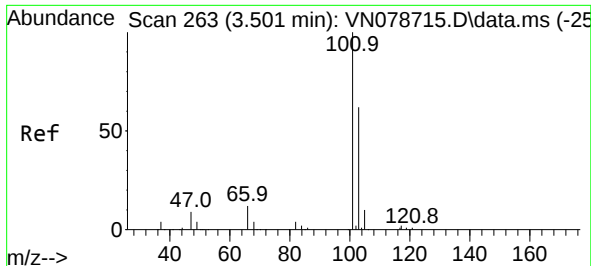
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#2
Dichlorodifluoromethane
Concen: 7.971 ug/l m
RT: 3.377 min Scan# 242
Delta R.T. 1.241 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

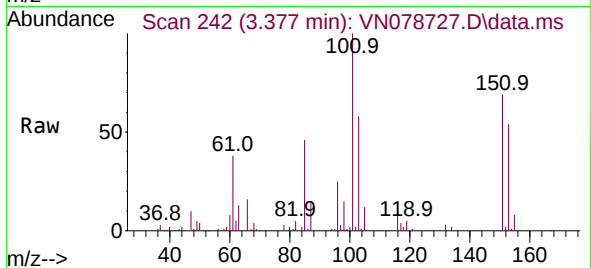
Tgt Ion: 85 Resp: 70341
Ion Ratio Lower Upper
85 100
87 31.0 16.4 49.4





#7
 Trichlorofluoromethane
 Concen: 10.581 ug/l
 RT: 3.377 min Scan# 24
 Delta R.T. -0.124 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

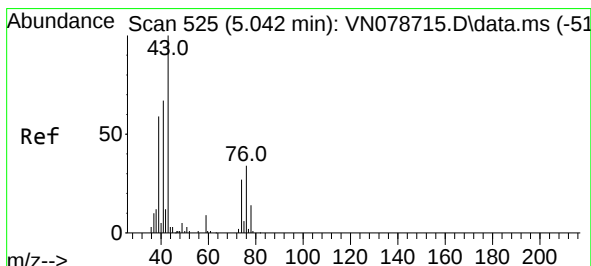
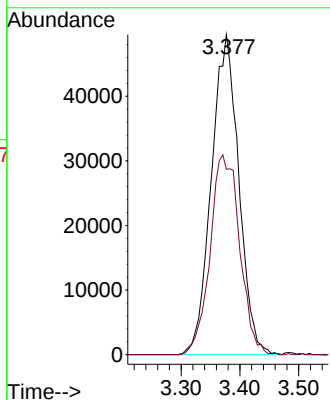
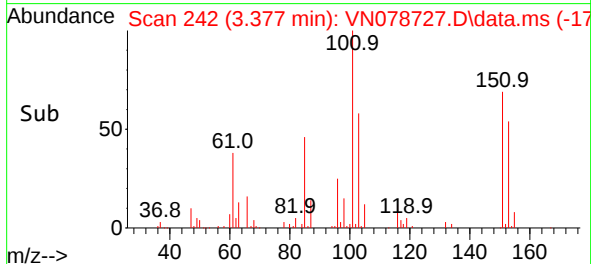
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:101 Resp: 16021
 Ion Ratio Lower Upper
 101 100
 103 57.9 50.4 75.6

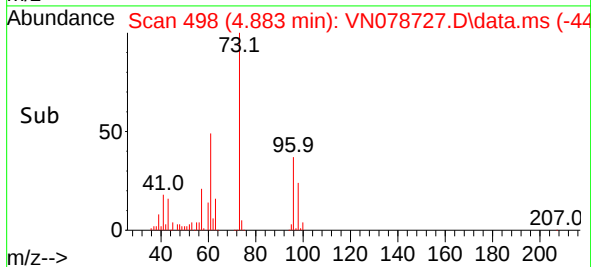
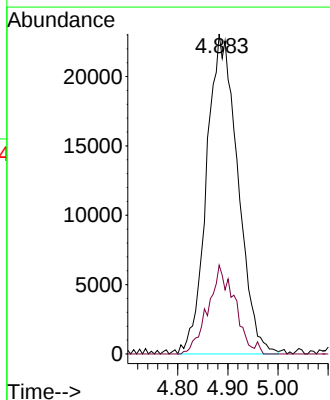
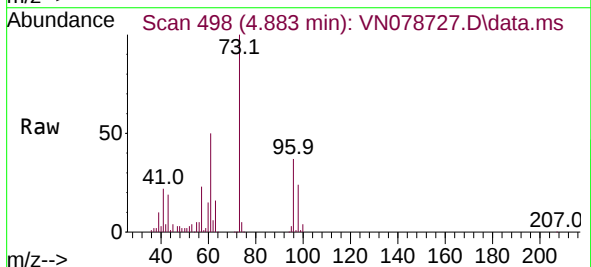
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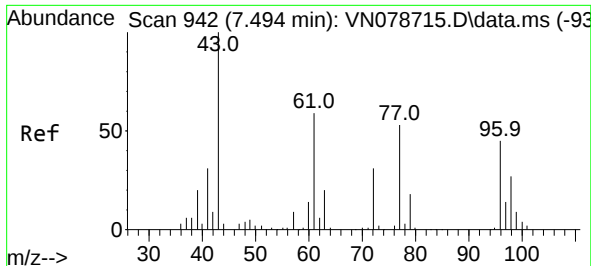
Reviewed By :John Carlone 08/02/2023
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#12
 Methyl Acetate
 Concen: 7.889 ug/l
 RT: 4.883 min Scan# 498
 Delta R.T. -0.159 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

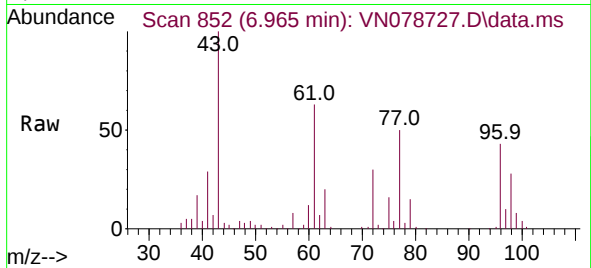
Tgt Ion: 43 Resp: 99734
 Ion Ratio Lower Upper
 43 100
 74 27.8 20.5 30.7





#22
 cis-1,2-Dichloroethene
 Concen: 19.880 ug/l
 RT: 6.965 min Scan# 81
 Delta R.T. -0.530 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

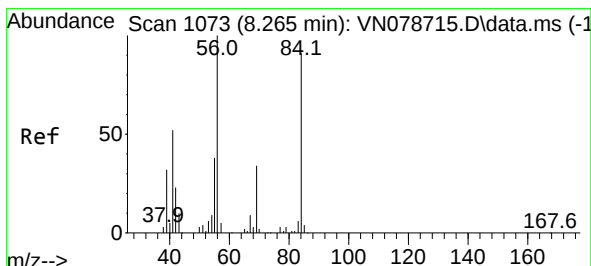
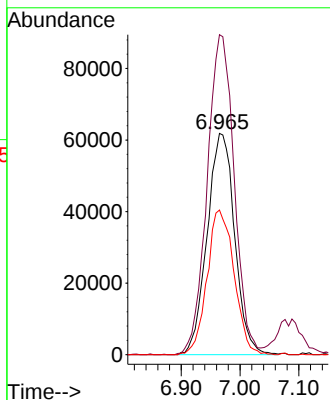
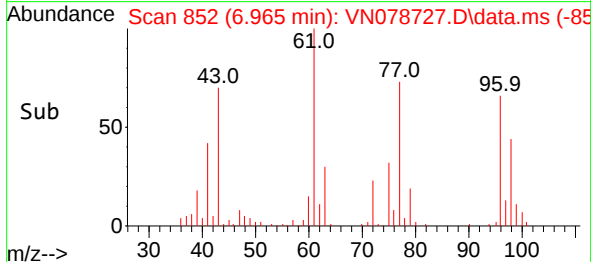
Instrument :
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Tgt Ion: 96 Resp: 201188
 Ion Ratio Lower Upper
 96 100
 61 142.1 113.8 170.6
 98 64.1 52.2 78.4

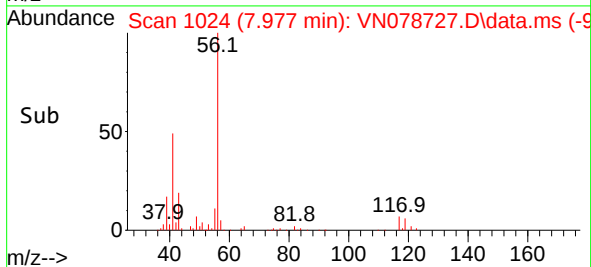
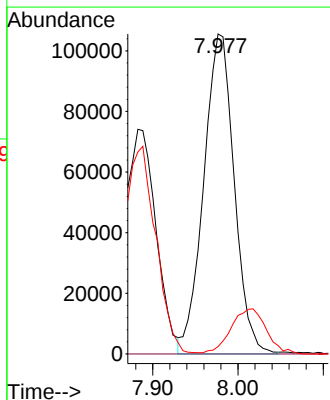
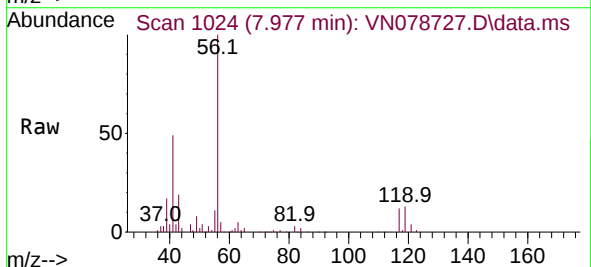
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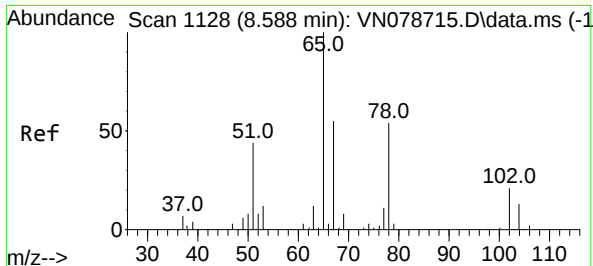
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#26
 Cyclohexane
 Concen: 22.478 ug/l
 RT: 7.977 min Scan# 1024
 Delta R.T. -0.288 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

Tgt Ion: 56 Resp: 262699
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 0.0 74.2 111.4#





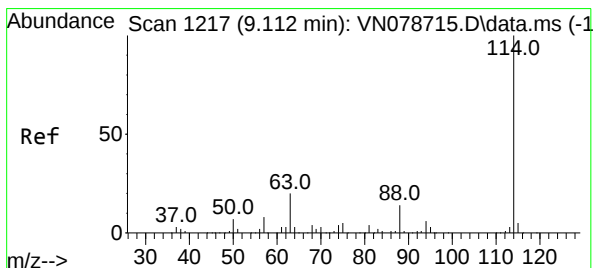
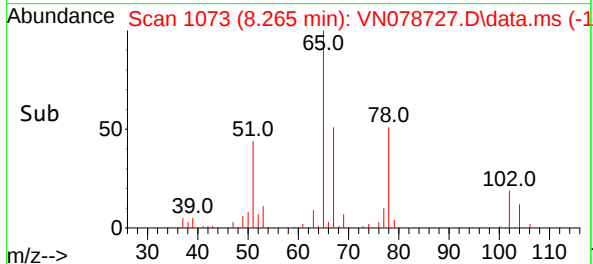
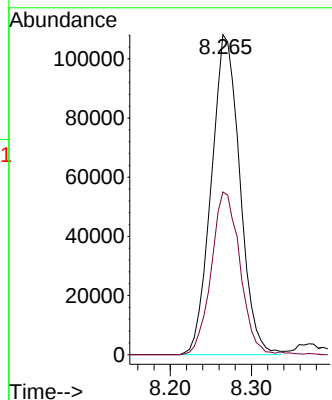
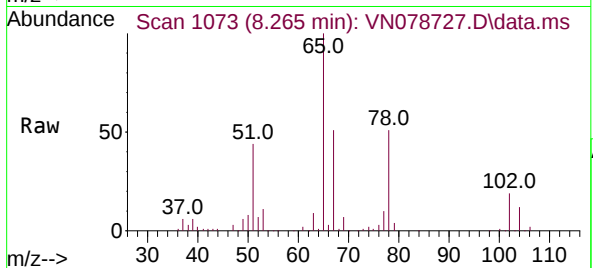
#27
1,2-Dichloroethane-d4
Concen: 25.210 ug/l
RT: 8.265 min Scan# 1107
Delta R.T. -0.324 min
Lab File: VN078727.D
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Tgt Ion: 65 Resp: 26436
Ion Ratio Lower Upper
65 100
67 50.9 42.9 64.3

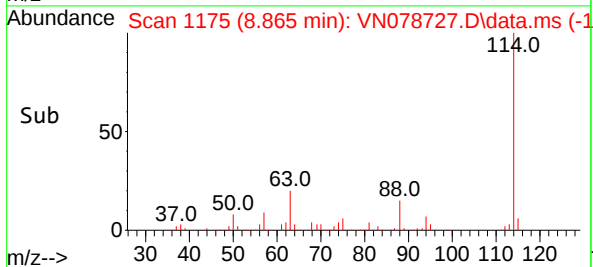
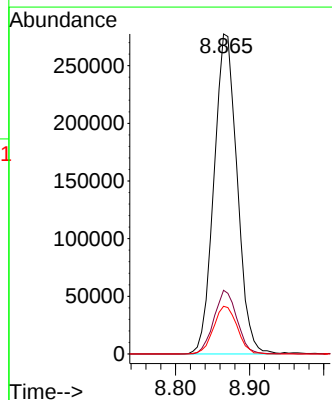
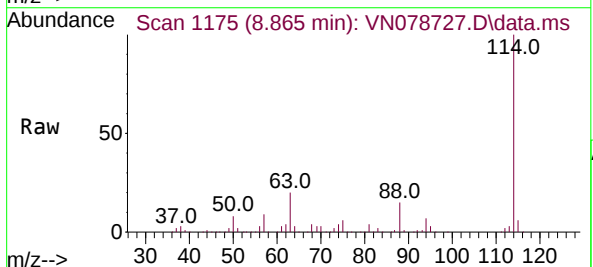
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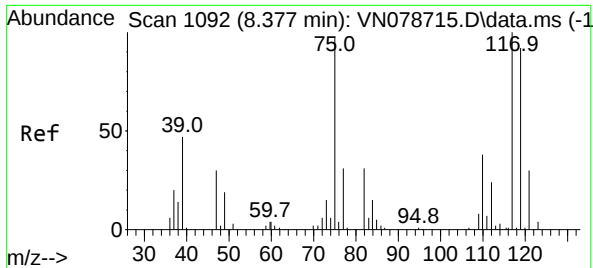
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.865 min Scan# 1175
Delta R.T. -0.247 min
Lab File: VN078727.D
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Tgt Ion:114 Resp: 602488
Ion Ratio Lower Upper
114 100
63 19.7 15.2 22.8
88 15.1 12.5 18.7





#29
1,1-Dichloropropene
Concen: 21.841 ug/l
RT: 8.029 min Scan# 1092
Delta R.T. -0.347 min
Lab File: VN078727.D
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Instrument :

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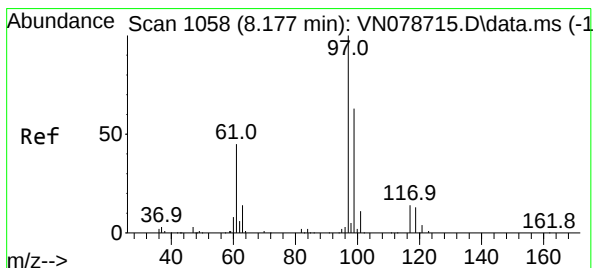
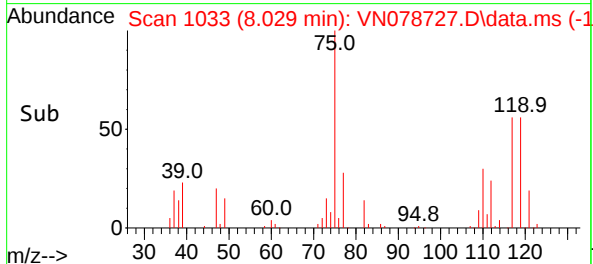
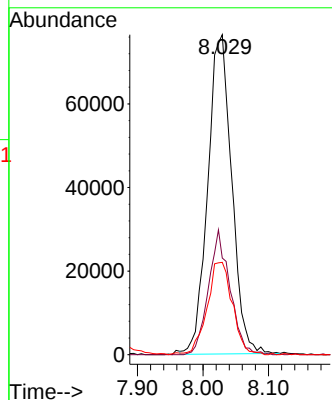
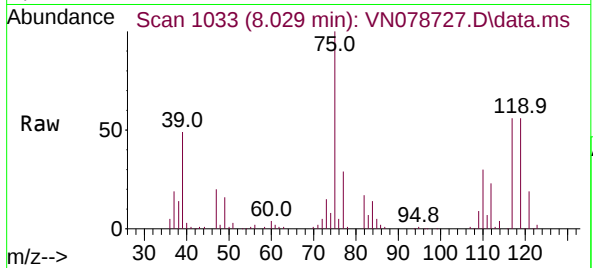
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Ion Ratio Lower Upper
75 100
110 35.0 0.0 72.2
77 30.5 0.0 62.8

Manual Integrations

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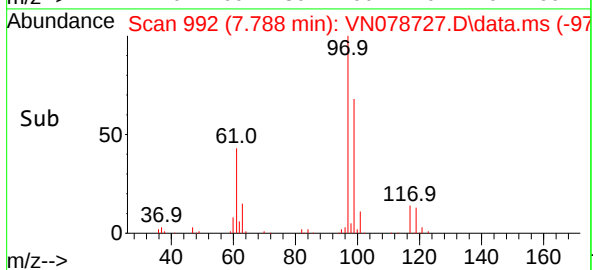
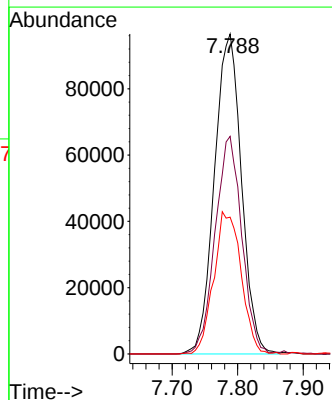
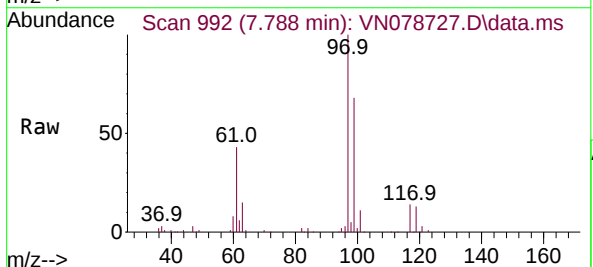
Reviewed By :John Carlone 08/02/2023

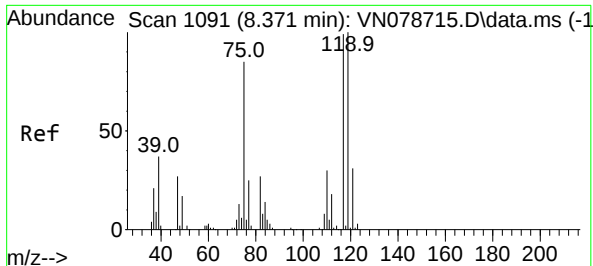
Supervised By :Mahesh Dadoda 08/02/2023



#32
1,1,1-Trichloroethane
Concen: 24.641 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.388 min
Lab File: VN078727.D
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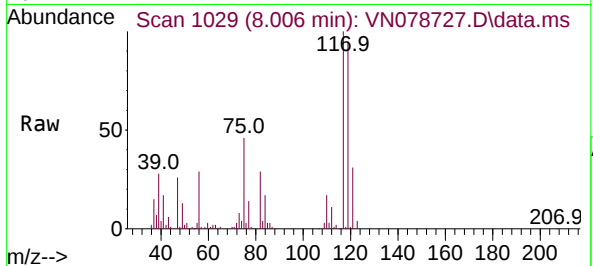
Tgt Ion: 97 Resp: 276379
Ion Ratio Lower Upper
97 100
99 66.8 51.3 76.9
61 44.8 34.6 52.0





#33
Carbon Tetrachloride
Concen: 22.341 ug/l
RT: 8.006 min Scan# 1078
Delta R.T. -0.365 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

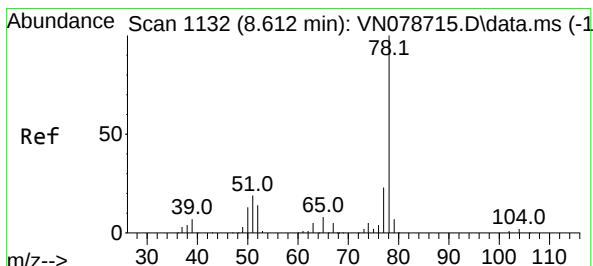
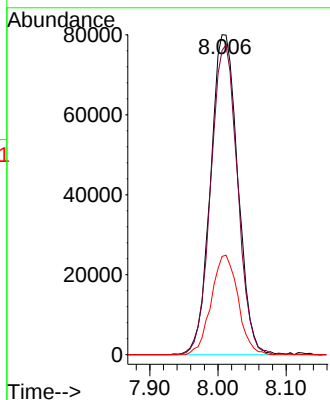
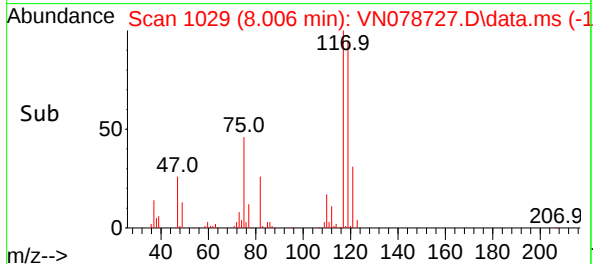
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 222559
Ion Ratio Lower Upper
117 100
119 94.8 81.4 122.0
121 30.7 23.6 35.4

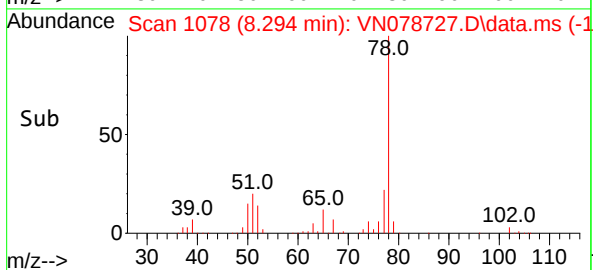
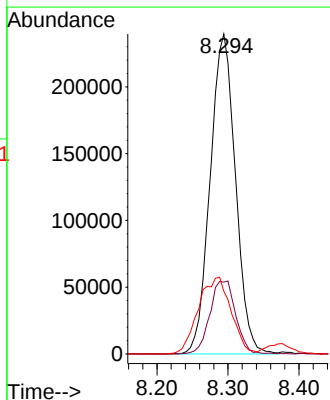
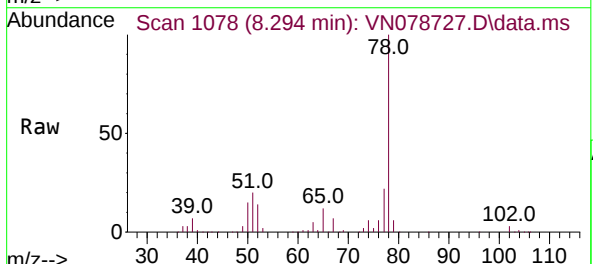
Manual Integrations
APPROVED

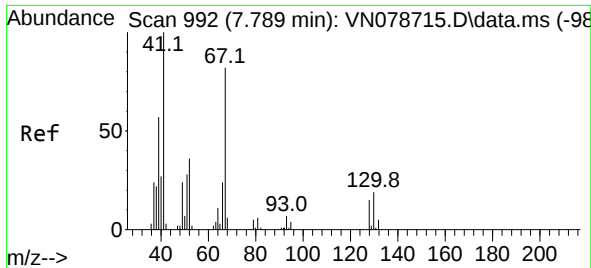
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#34
Benzene
Concen: 22.263 ug/l
RT: 8.294 min Scan# 1078
Delta R.T. -0.318 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Tgt Ion: 78 Resp: 592871
Ion Ratio Lower Upper
78 100
77 22.5 18.3 27.5
51 18.9 13.7 20.5





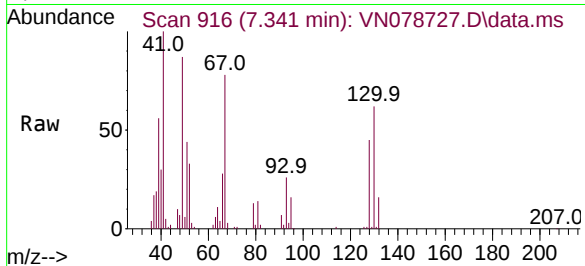
#35
Methacrylonitrile
Concen: 21.085 ug/l
RT: 7.341 min Scan# 916
Delta R.T. -0.447 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



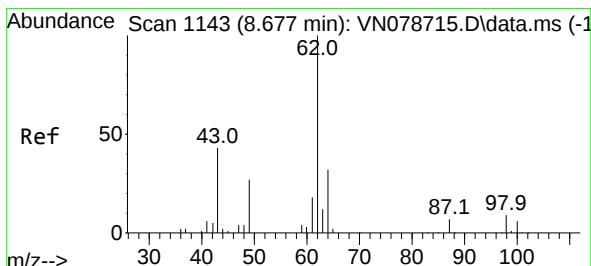
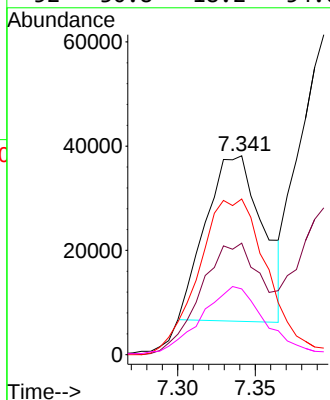
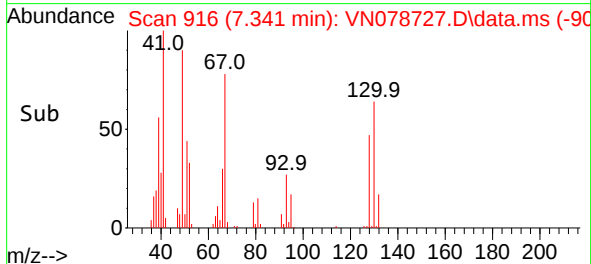
Tgt Ion: 41 Resp: 81144
Ion Ratio Lower Upper
41 100
39 55.5 33.9 101.6
67 75.1 45.9 137.6
52 30.8 18.2 54.6

Manual Integrations

APPROVED

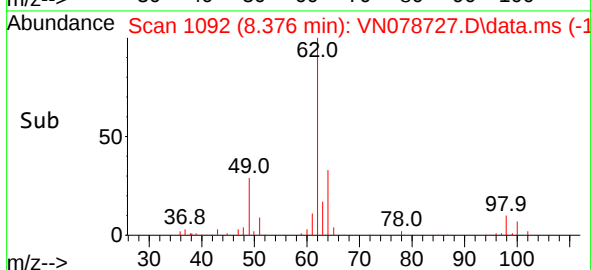
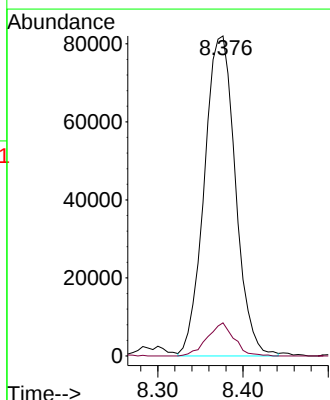
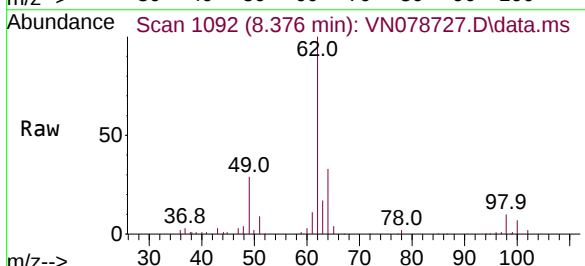
Reviewed By :John Carlone 08/02/2023

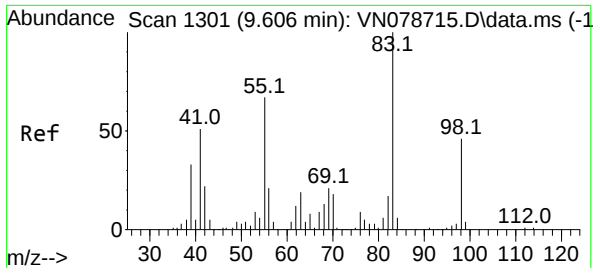
Supervised By :Mahesh Dadoda 08/02/2023



#36
1,2-Dichloroethane
Concen: 22.259 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.300 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

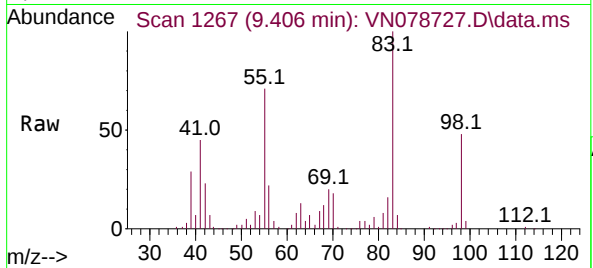
Tgt Ion: 62 Resp: 208177
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#38
Methylcyclohexane
Concen: 23.966 ug/l
RT: 9.406 min Scan# 11
Delta R.T. -0.200 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

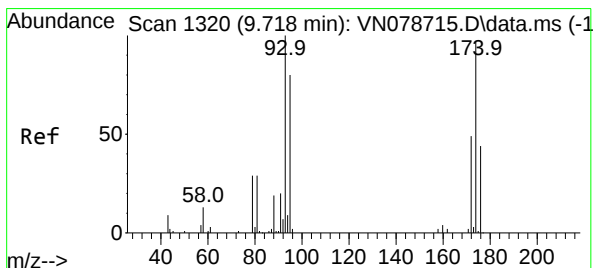
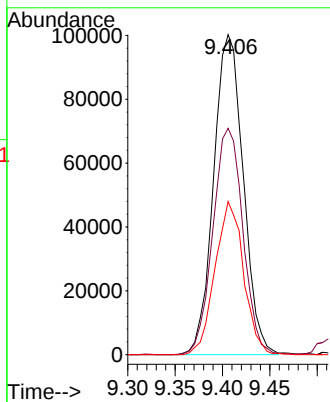
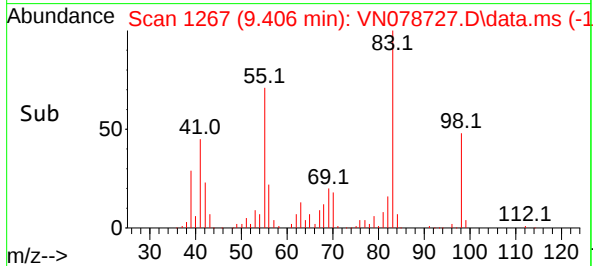
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 21830
Ion Ratio Lower Upper
83 100
55 71.7 34.0 102.0
98 46.2 23.0 69.0

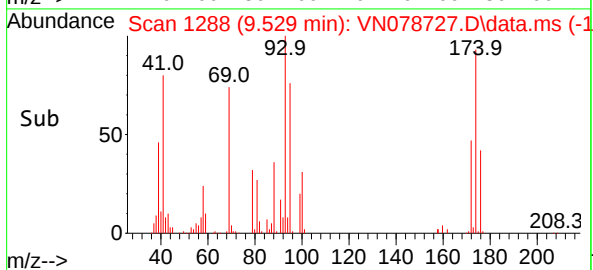
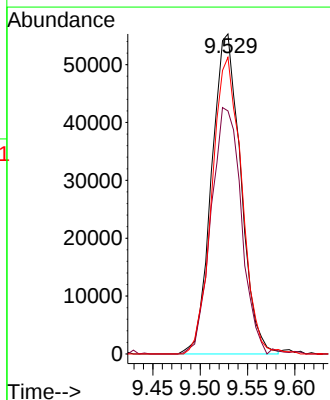
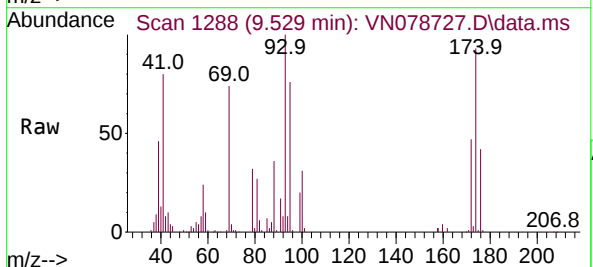
Manual Integrations
APPROVED

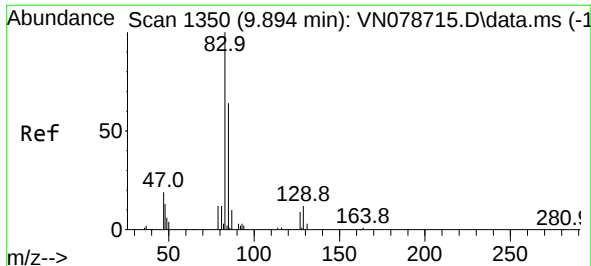
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#40
Dibromomethane
Concen: 23.930 ug/l
RT: 9.529 min Scan# 1288
Delta R.T. -0.188 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

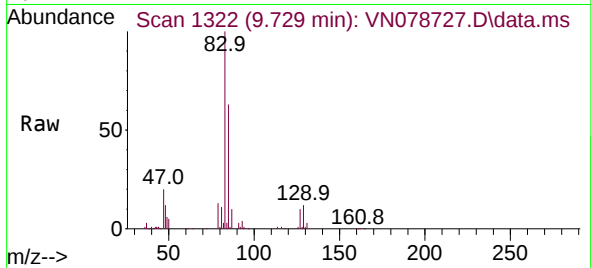
Tgt Ion: 93 Resp: 118239
Ion Ratio Lower Upper
93 100
95 79.6 0.0 167.8
174 94.3 0.0 180.8





#41
Bromodichloromethane
Concen: 21.068 ug/l
RT: 9.729 min Scan# 11
Delta R.T. -0.165 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

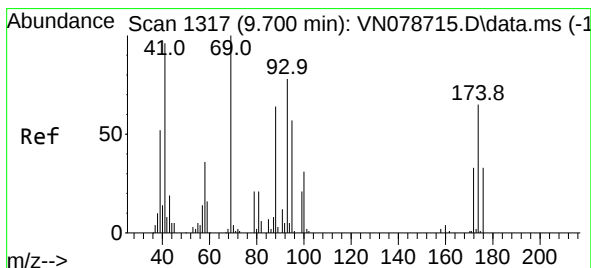
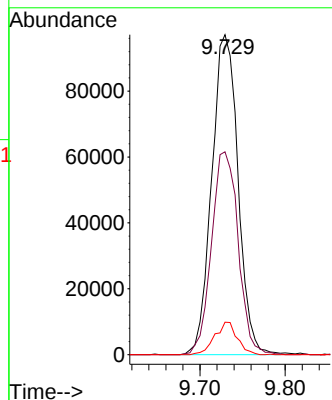
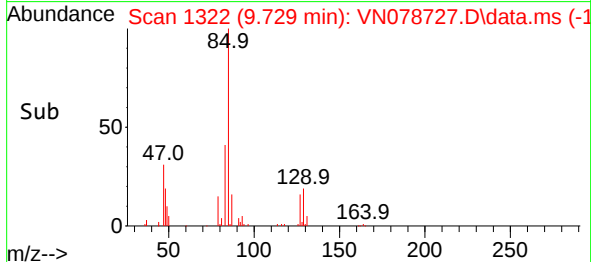
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 20811
Ion Ratio Lower Upper
83 100
85 63.4 54.1 81.1
127 10.2 7.8 11.6

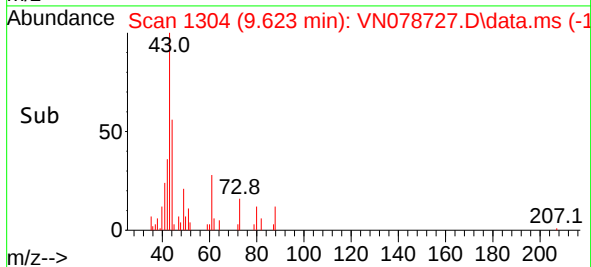
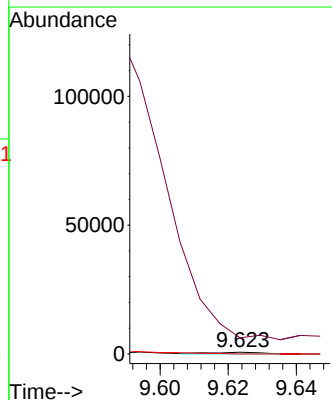
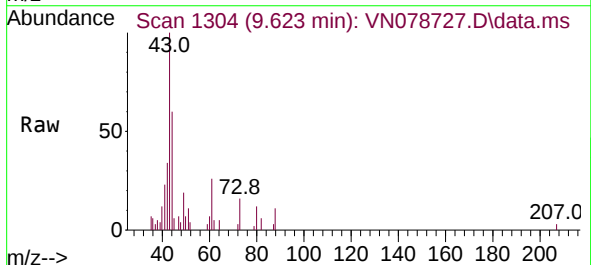
Manual Integrations
APPROVED

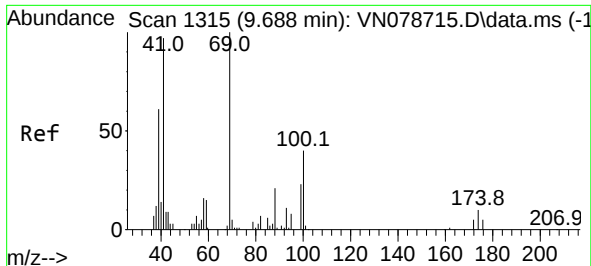
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#45
1,4-Dioxane
Concen: 5.995 ug/l
RT: 9.623 min Scan# 1304
Delta R.T. -0.077 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

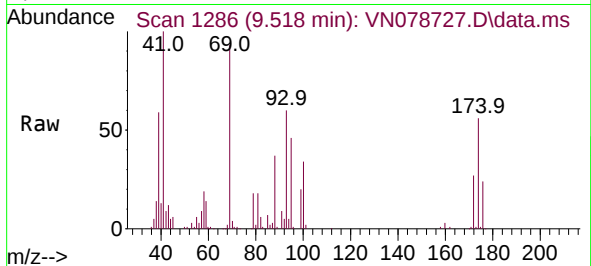
Tgt Ion: 88 Resp: 701
Ion Ratio Lower Upper
88 100
43 1800.4 19.0 28.6#
58 0.0 48.2 72.2#





#46
Methyl methacrylate
Concen: 23.700 ug/l
RT: 9.518 min Scan# 1286
Delta R.T. -0.171 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

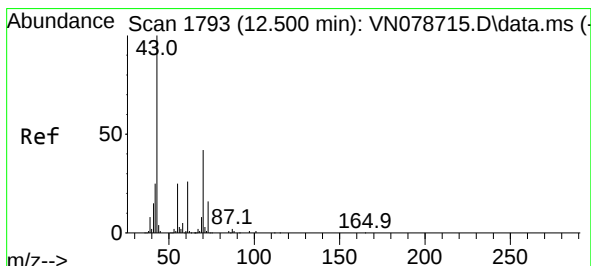
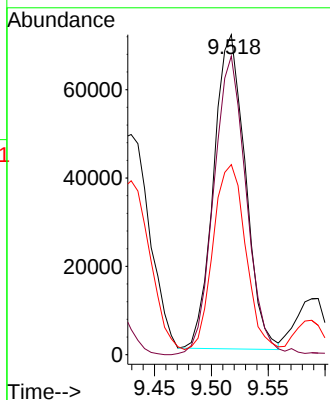
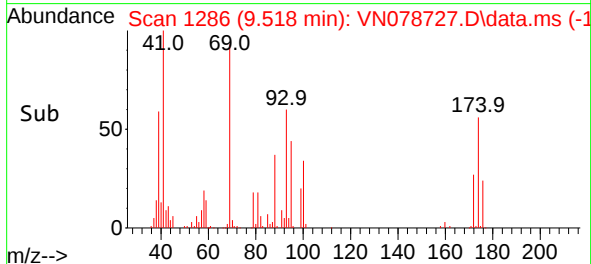
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 137959
Ion Ratio Lower Upper
41 100
69 94.9 49.0 147.0
39 58.2 31.6 94.8

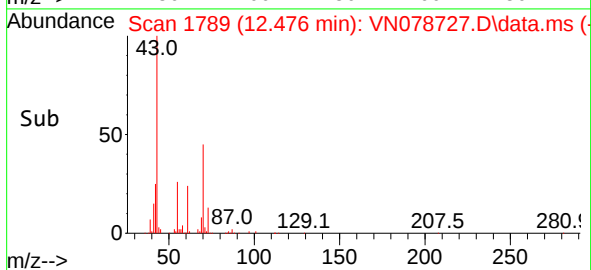
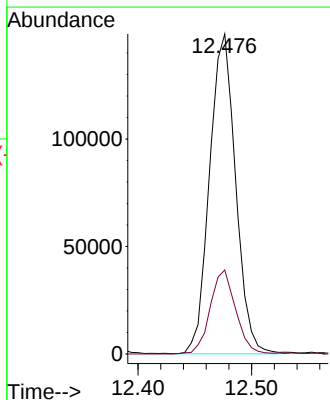
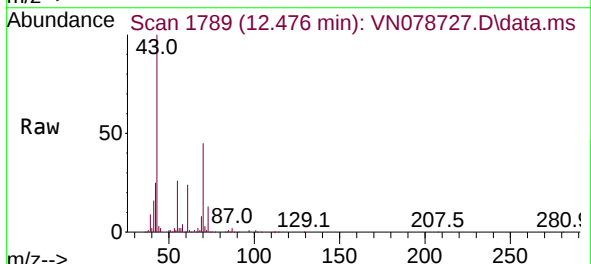
Manual Integrations
APPROVED

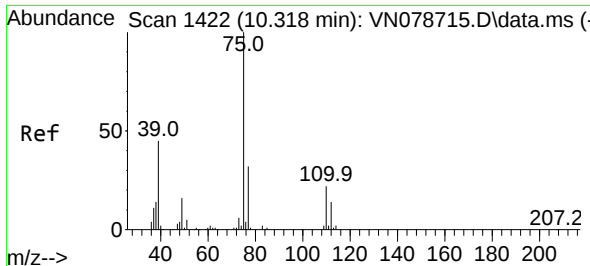
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#47
n-amy1 Acetate
Concen: 24.256 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

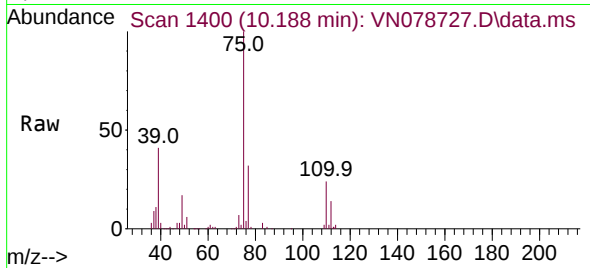
Tgt Ion: 43 Resp: 237465
Ion Ratio Lower Upper
43 100
55 25.7 21.5 32.3





#49
cis-1,3-Dichloropropene
Concen: 27.720 ug/l
RT: 10.188 min Scan# 1422
Delta R.T. -0.130 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

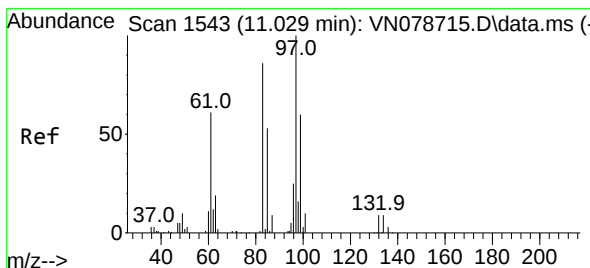
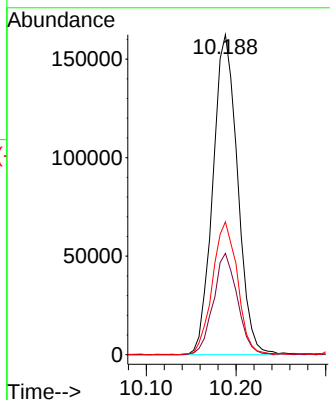
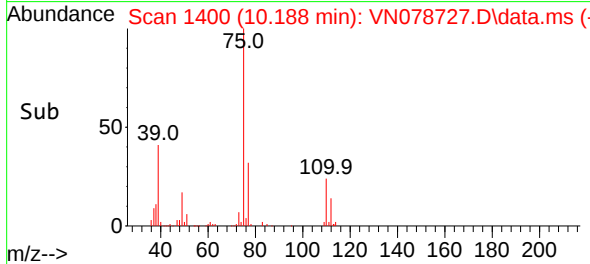
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 31040
Ion Ratio Lower Upper
75 100
77 31.6 24.0 36.0
39 41.5 35.1 52.7

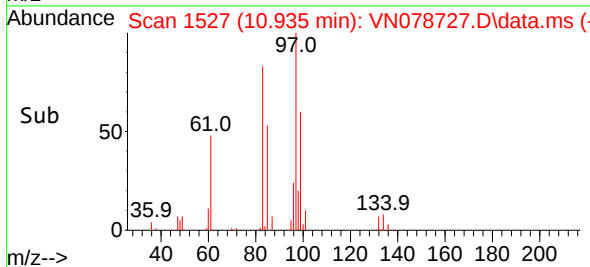
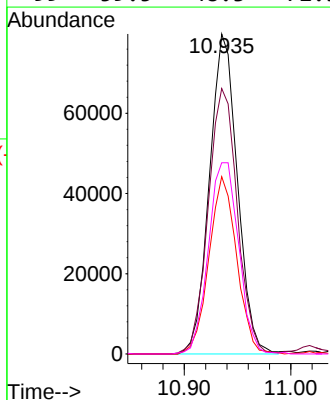
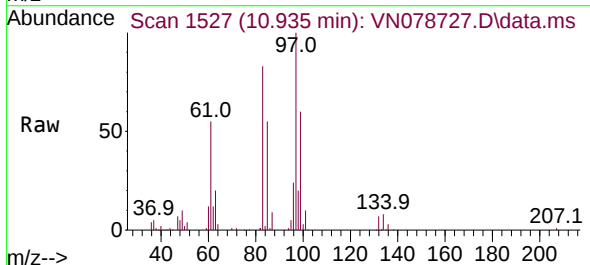
Manual Integrations
APPROVED

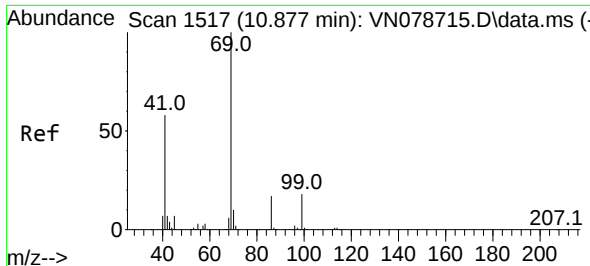
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#50
1,1,2-Trichloroethane
Concen: 20.749 ug/l
RT: 10.935 min Scan# 1527
Delta R.T. -0.094 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

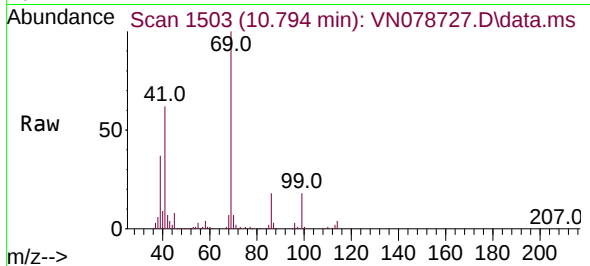
Tgt Ion: 97 Resp: 145127
Ion Ratio Lower Upper
97 100
83 82.6 66.8 100.2
85 55.4 42.5 63.7
99 59.5 48.3 72.5





#51
Ethyl methacrylate
Concen: 24.904 ug/l
RT: 10.794 min Scan# 1503
Delta R.T. -0.083 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

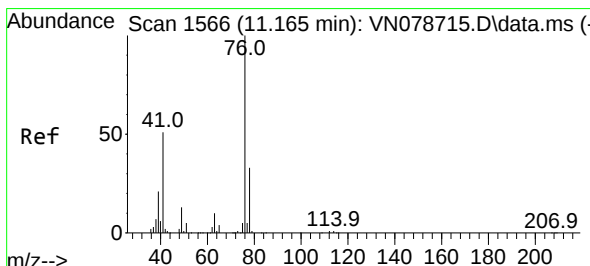
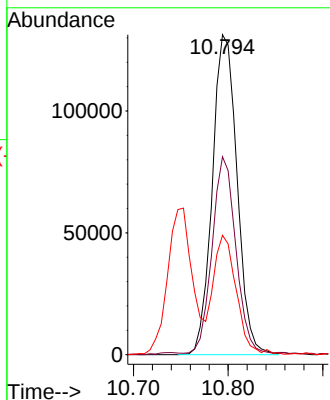
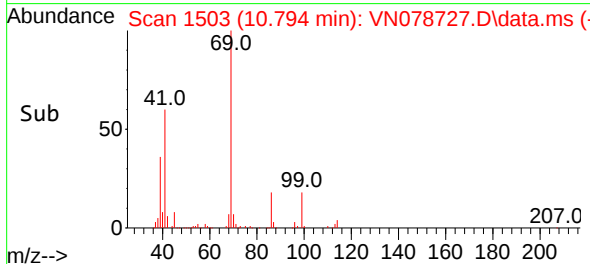
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 238479
Ion Ratio Lower Upper
69 100
41 61.3 26.0 78.0
39 36.7 16.3 48.9

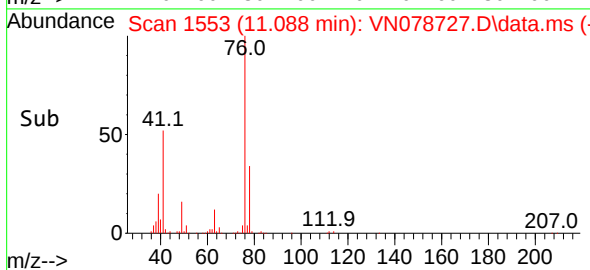
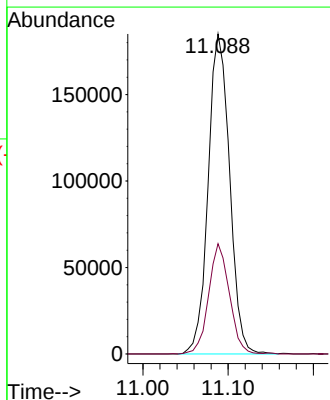
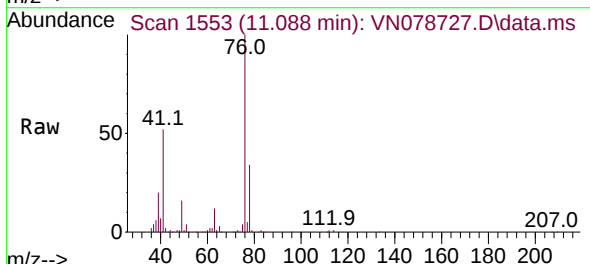
Manual Integrations
APPROVED

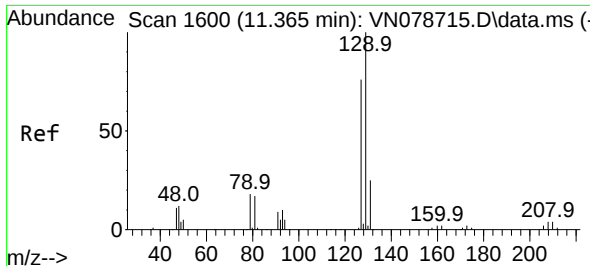
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#52
1,3-Dichloropropane
Concen: 25.727 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.077 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

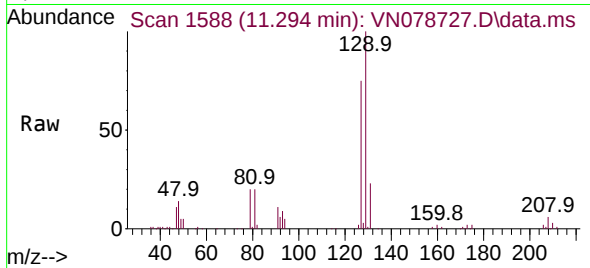
Tgt Ion: 76 Resp: 323412
Ion Ratio Lower Upper
76 100
78 33.3 0.0 66.2





#53
Dibromochloromethane
Concen: 19.939 ug/l
RT: 11.294 min Scan# 11294
Delta R.T. -0.071 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

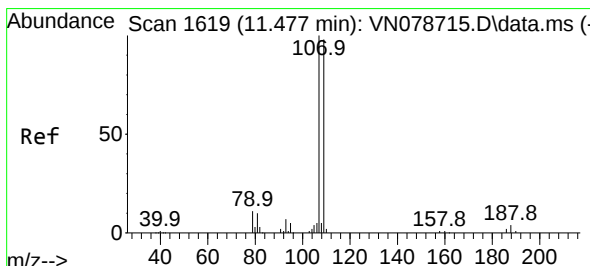
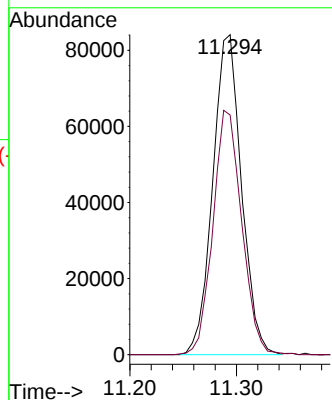
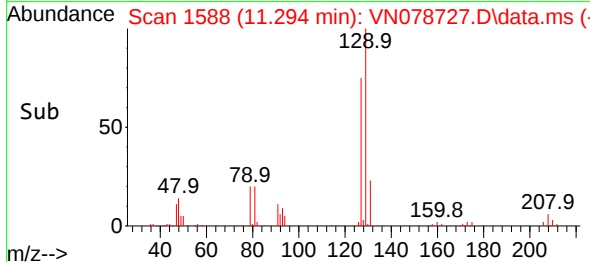
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



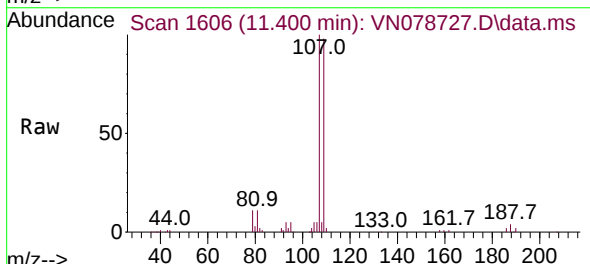
Tgt Ion:129 Resp: 157542
Ion Ratio Lower Upper
129 100
127 76.5 39.4 118.1

Manual Integrations
APPROVED

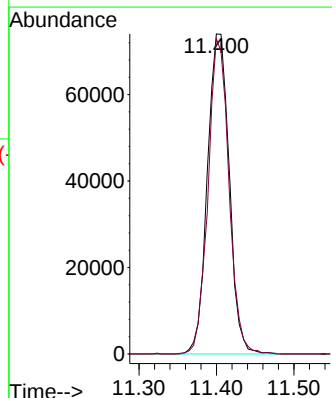
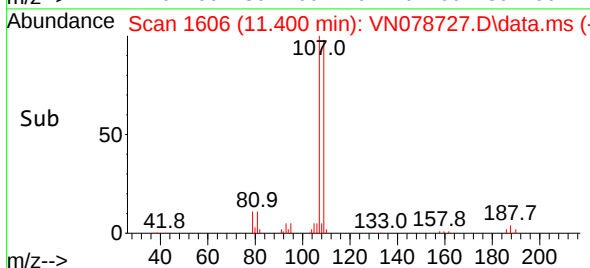
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

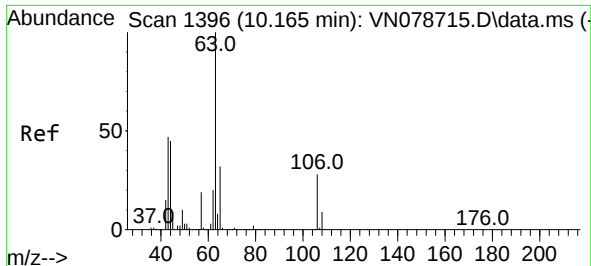


#54
1,2-Dibromoethane
Concen: 20.581 ug/l
RT: 11.400 min Scan# 1606
Delta R.T. -0.077 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



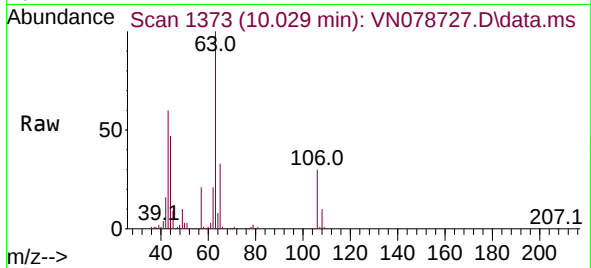
Tgt Ion:107 Resp: 144542
Ion Ratio Lower Upper
107 100
109 94.3 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 110.654 ug/l
RT: 10.029 min Scan# 1396
Delta R.T. -0.136 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

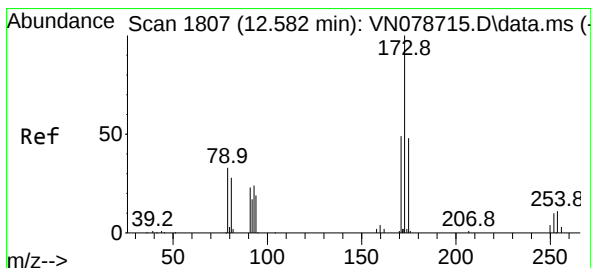
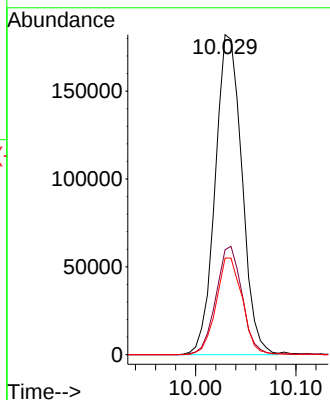
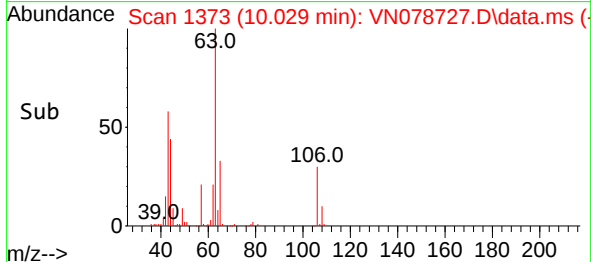
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 337640
Ion Ratio Lower Upper
63 100
65 33.1 26.3 39.5
106 29.6 23.8 35.6

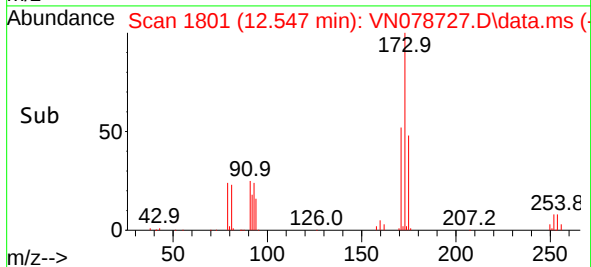
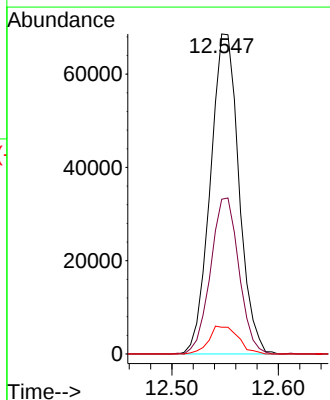
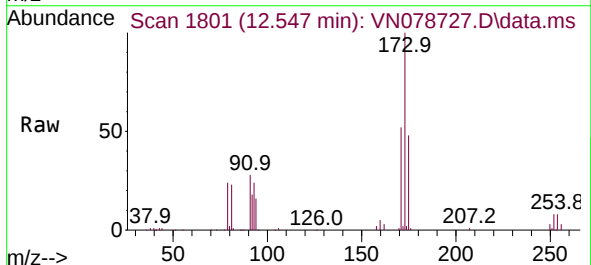
Manual Integrations
APPROVED

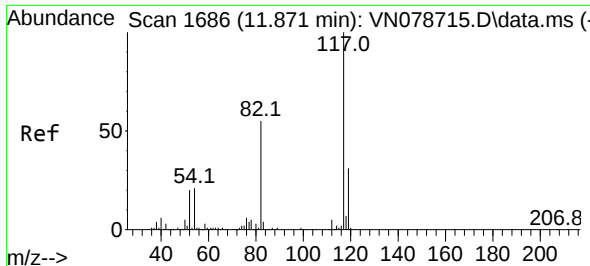
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#56
Bromoform
Concen: 24.747 ug/l
RT: 12.547 min Scan# 1801
Delta R.T. -0.036 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

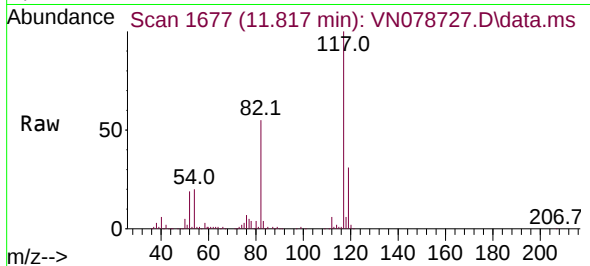
Tgt Ion:173 Resp: 127943
Ion Ratio Lower Upper
173 100
175 48.3 40.7 61.1
254 8.9 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.817 min Scan# 117
Delta R.T. -0.053 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

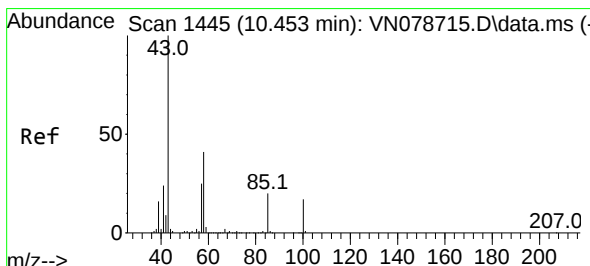
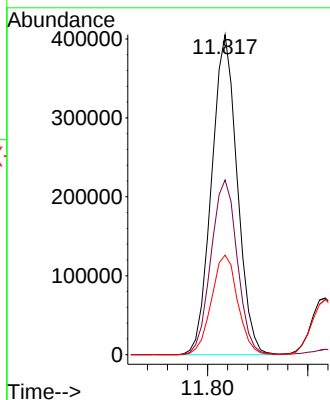
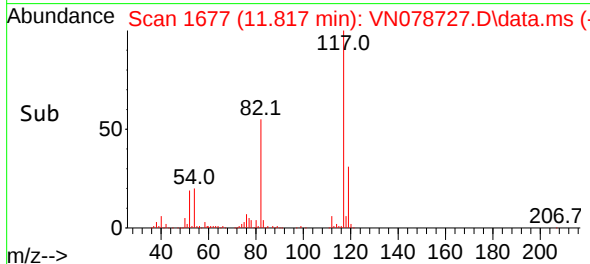
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 720030
Ion Ratio Lower Upper
117 100
82 56.0 43.9 65.9
119 32.0 26.2 39.4

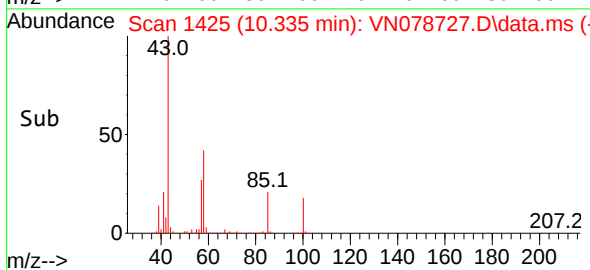
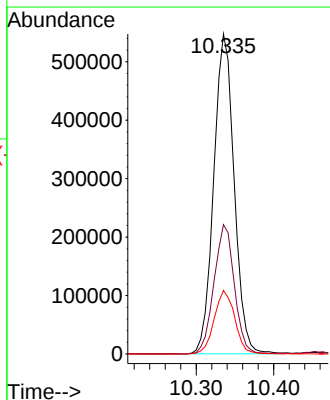
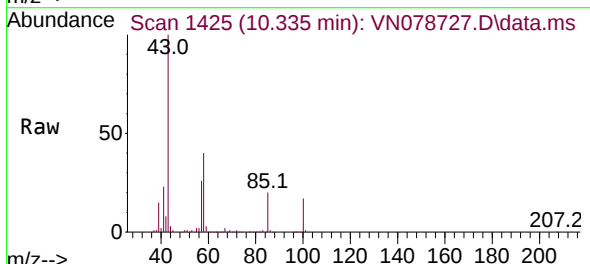
Manual Integrations
APPROVED

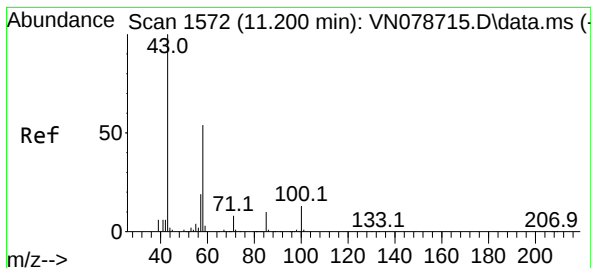
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#58
4-Methyl-2-Pentanone
Concen: 92.967 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. -0.118 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

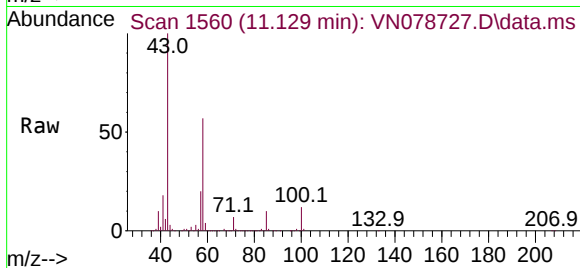
Tgt Ion: 43 Resp: 1001940
Ion Ratio Lower Upper
43 100
58 40.4 32.6 48.8
85 20.0 16.2 24.2





#59
2-Hexanone
Concen: 87.438 ug/l
RT: 11.129 min Scan# 1560
Delta R.T. -0.071 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

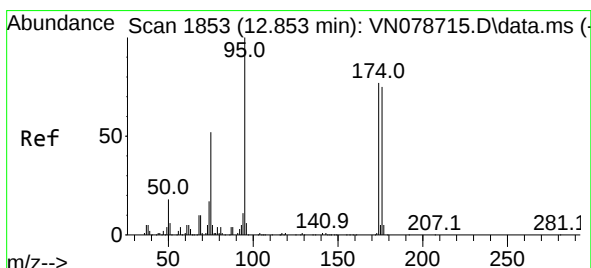
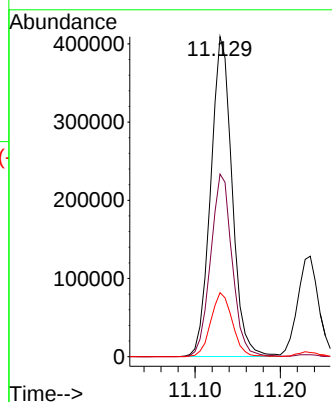
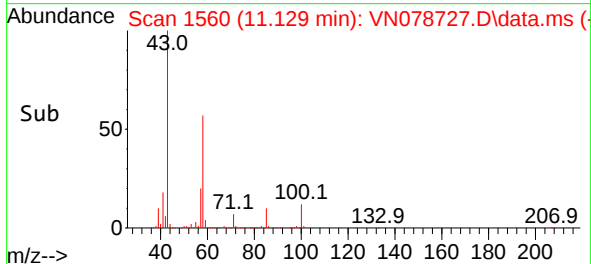
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 713510
Ion Ratio Lower Upper
43 100
58 57.5 45.9 68.9
57 20.1 15.8 23.6

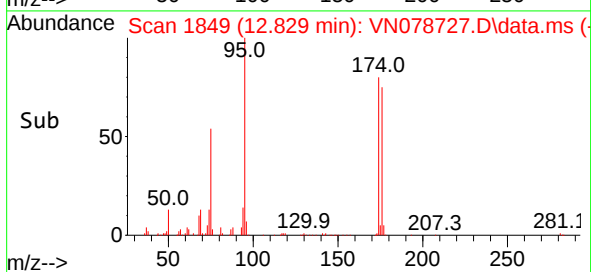
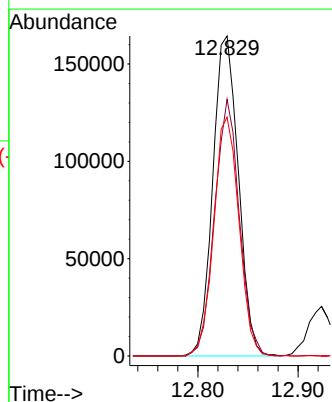
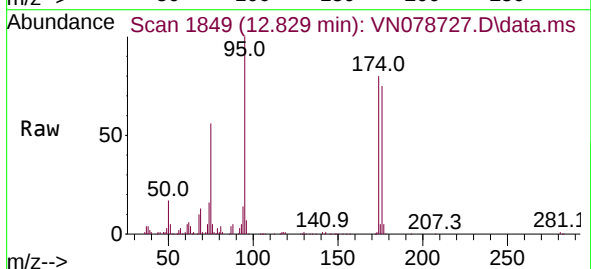
Manual Integrations
APPROVED

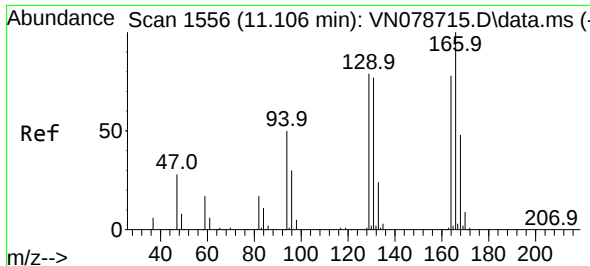
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#60
4-Bromofluorobenzene
Concen: 26.993 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

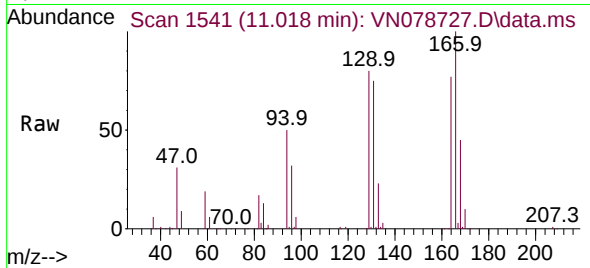
Tgt Ion: 95 Resp: 291277
Ion Ratio Lower Upper
95 100
174 77.6 61.7 92.5
176 73.7 58.1 87.1





#61
Tetrachloroethene
Concen: 13.089 ug/l
RT: 11.018 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

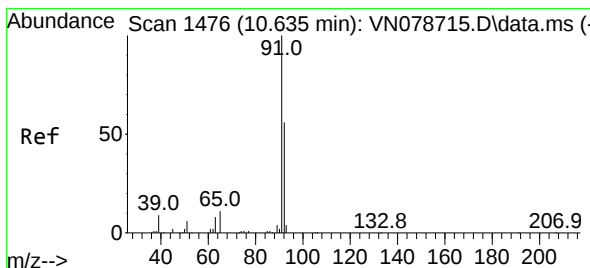
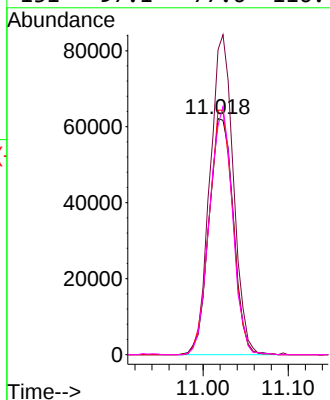
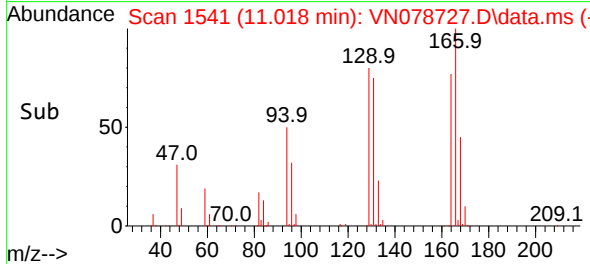
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



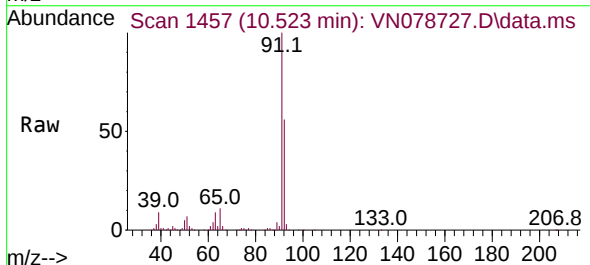
Tgt Ion:164 Resp: 123920
Ion Ratio Lower Upper
164 100
166 129.3 99.1 148.7
129 103.6 85.6 128.4
131 97.1 77.6 116.4

Manual Integrations
APPROVED

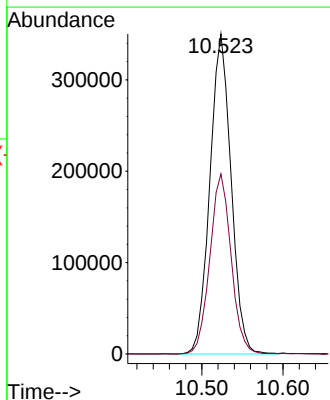
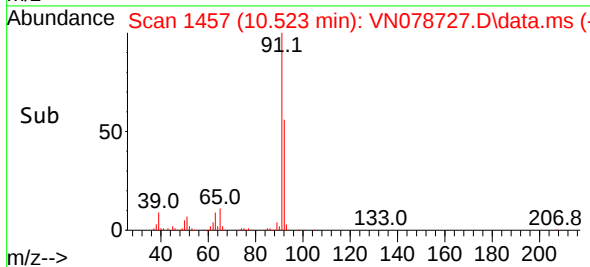
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

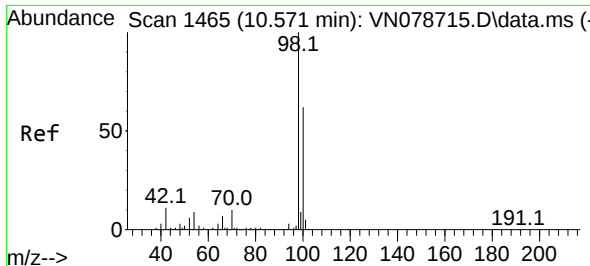


#62
Toluene
Concen: 14.680 ug/l
RT: 10.523 min Scan# 1457
Delta R.T. -0.112 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



Tgt Ion: 91 Resp: 635793
Ion Ratio Lower Upper
91 100
92 56.3 45.2 67.8





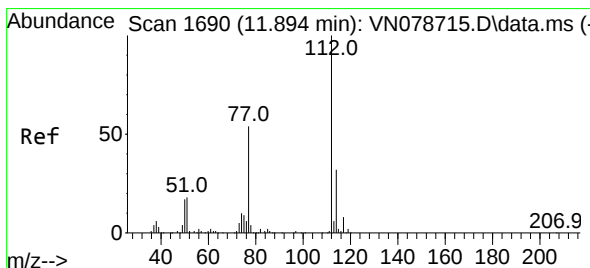
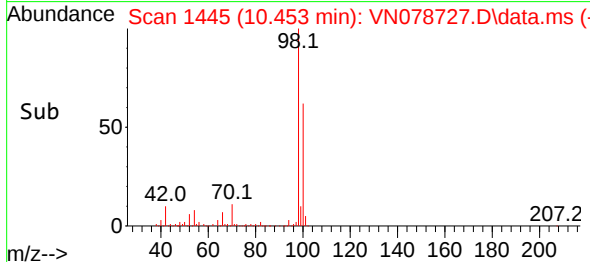
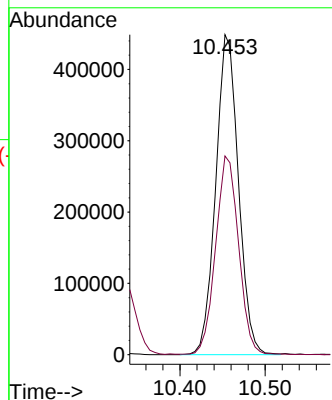
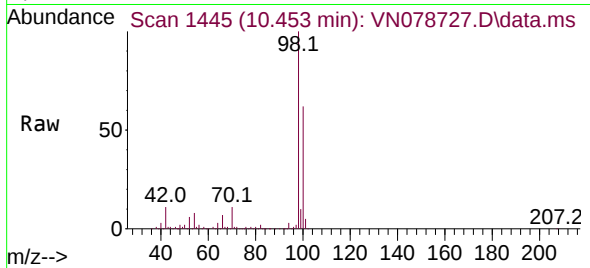
#63
Toluene-d8
Concen: 23.396 ug/l
RT: 10.453 min Scan# 1465
Delta R.T. -0.118 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 832175
Ion Ratio Lower Upper
98 100
100 62.8 49.7 74.5

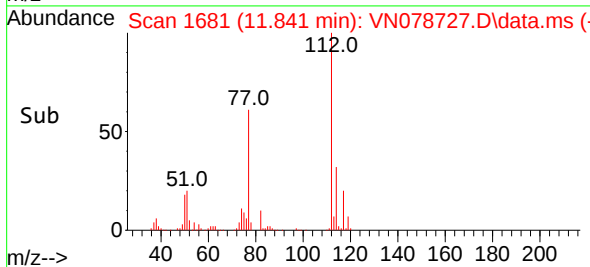
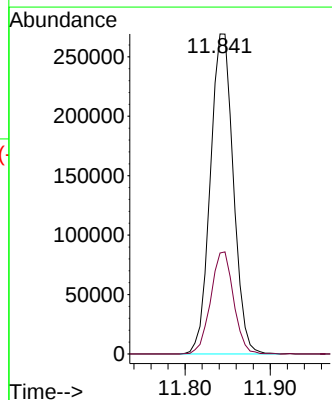
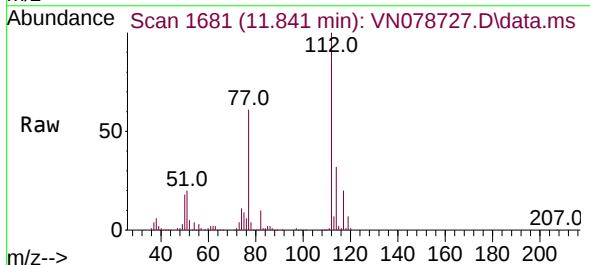
Manual Integrations
APPROVED

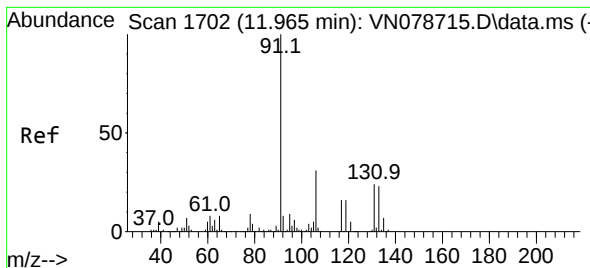
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#64
Chlorobenzene
Concen: 19.944 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.053 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Tgt Ion:112 Resp: 504314
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9





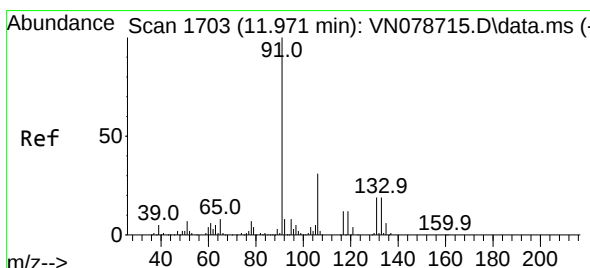
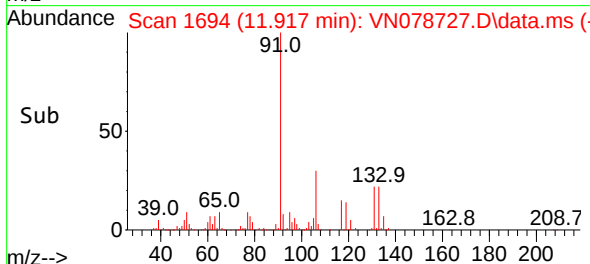
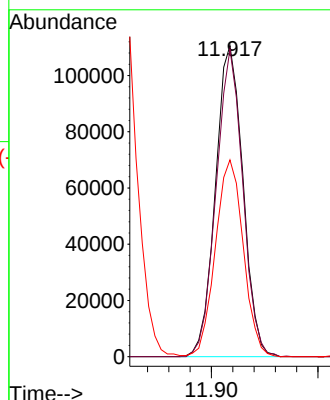
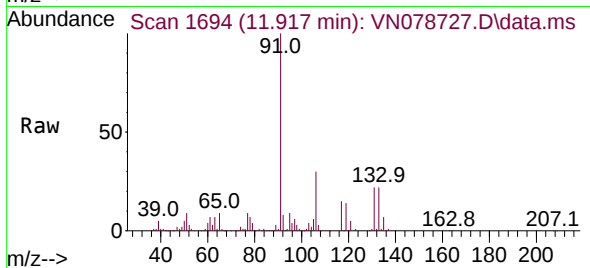
#65
1,1,1,2-Tetrachloroethane
Concen: 19.862 ug/l
RT: 11.917 min Scan# 1694
Delta R.T. -0.047 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 198075
Ion Ratio Lower Upper
131 100
133 95.5 0.0 191.8
119 64.3 0.0 132.0

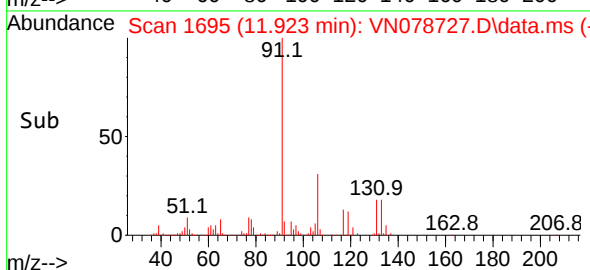
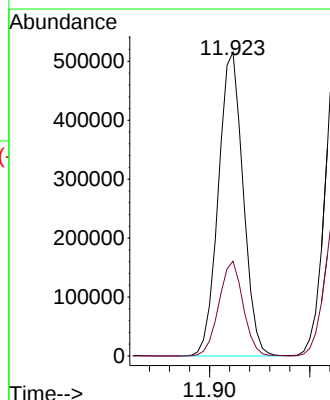
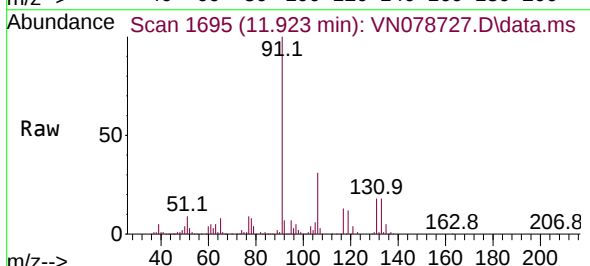
Manual Integrations
APPROVED

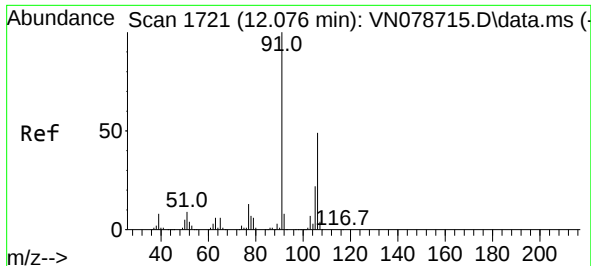
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#66
Ethyl Benzene
Concen: 20.202 ug/l
RT: 11.923 min Scan# 1695
Delta R.T. -0.047 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Tgt Ion: 91 Resp: 881836
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4





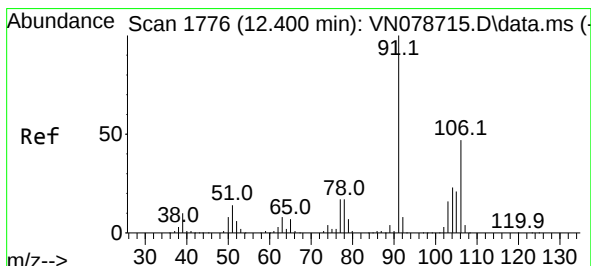
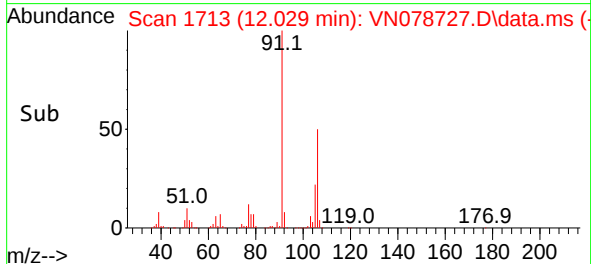
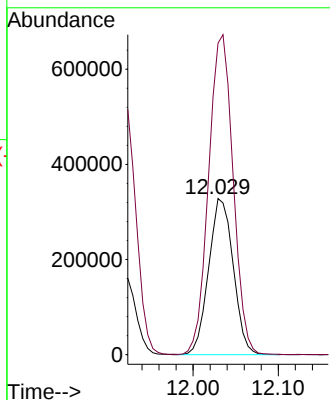
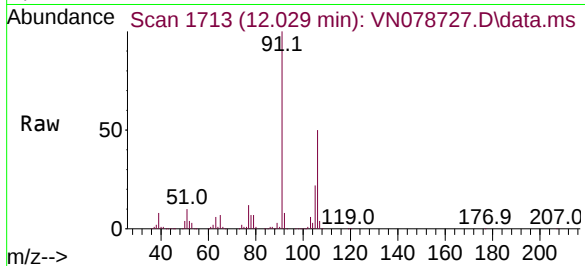
#67
m/p-Xylenes
Concen: 39.586 ug/l
RT: 12.029 min Scan# 1713
Delta R.T. -0.047 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 660044
Ion Ratio Lower Upper
106 100
91 203.7 162.5 243.7

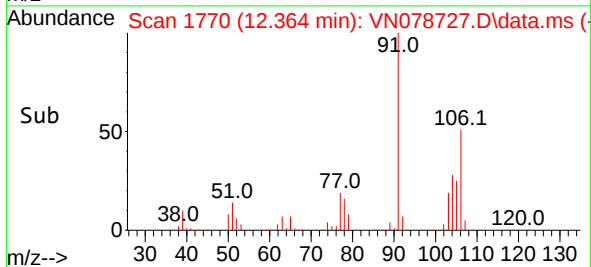
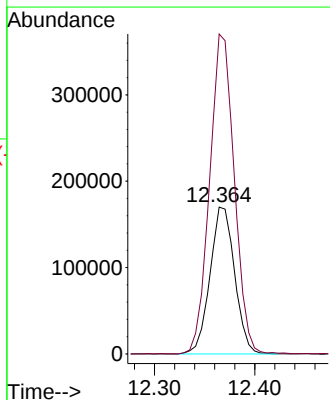
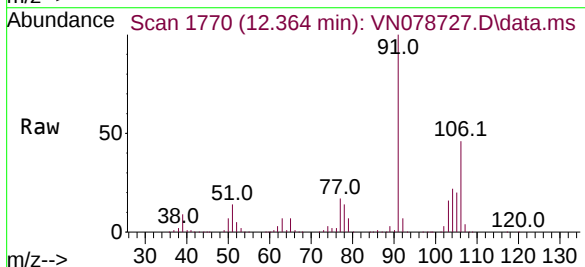
Manual Integrations
APPROVED

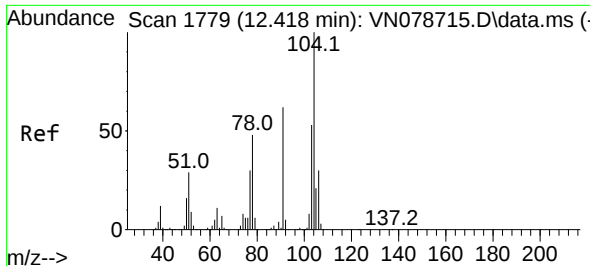
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#68
o-Xylene
Concen: 17.107 ug/l
RT: 12.364 min Scan# 1770
Delta R.T. -0.035 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

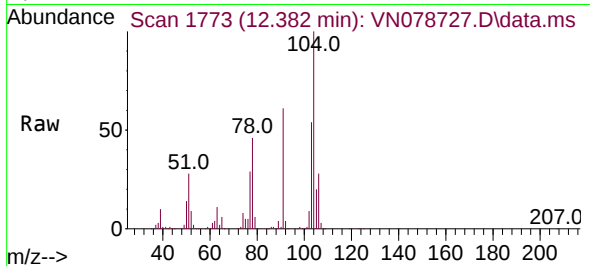
Tgt Ion:106 Resp: 290240
Ion Ratio Lower Upper
106 100
91 218.7 106.1 318.3





#69
Styrene
Concen: 16.269 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. -0.035 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

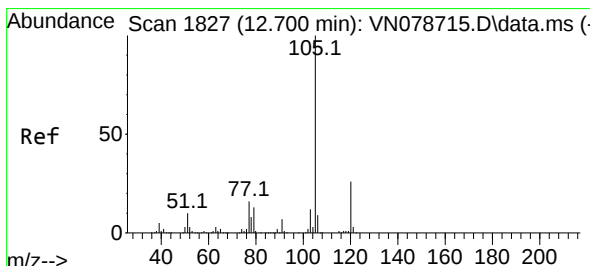
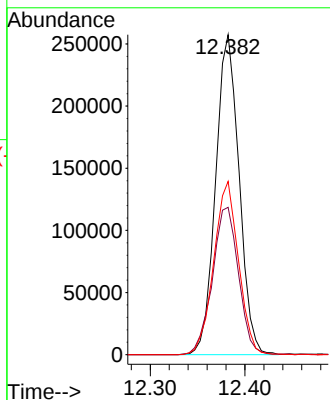
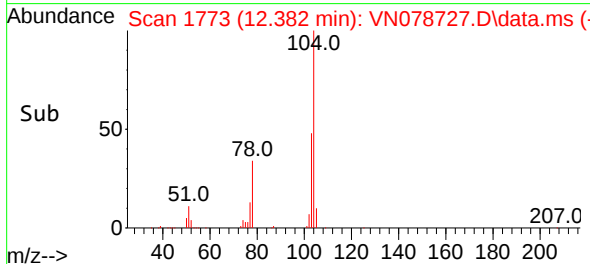
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



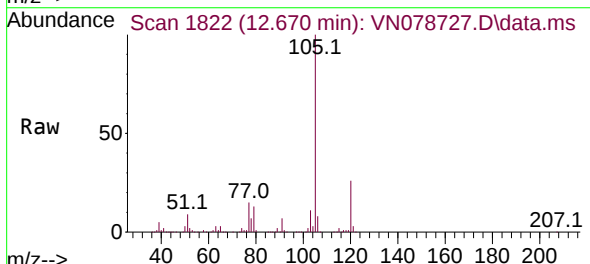
Tgt Ion:104 Resp: 444100
Ion Ratio Lower Upper
104 100
78 51.1 40.1 60.1
103 56.9 45.1 67.7

Manual Integrations
APPROVED

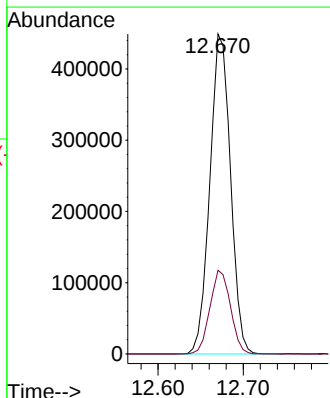
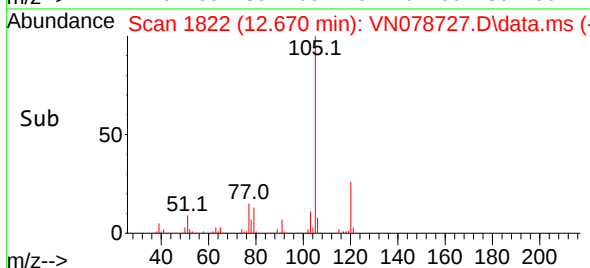
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

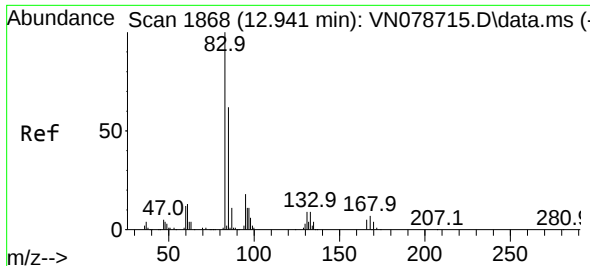


#70
Isopropylbenzene
Concen: 18.024 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.030 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



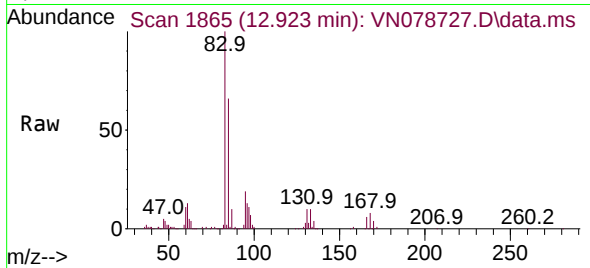
Tgt Ion:105 Resp: 756496
Ion Ratio Lower Upper
105 100
120 25.9 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 17.920 ug/l
RT: 12.923 min Scan# 1865
Delta R.T. -0.018 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

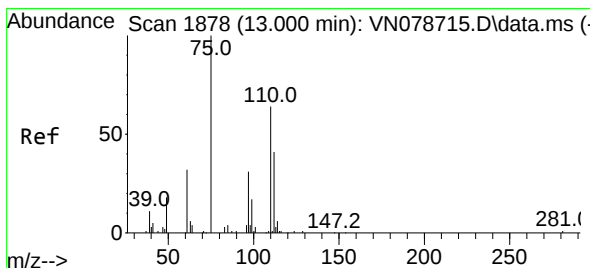
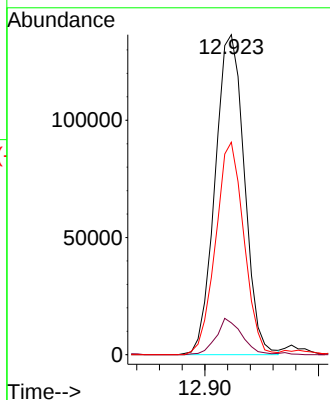
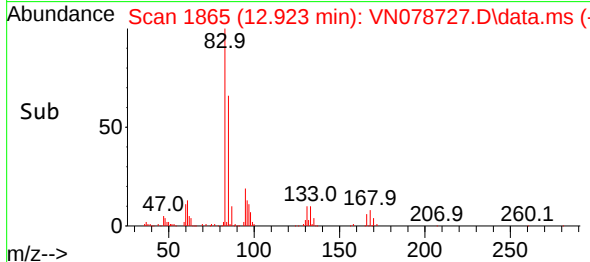
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



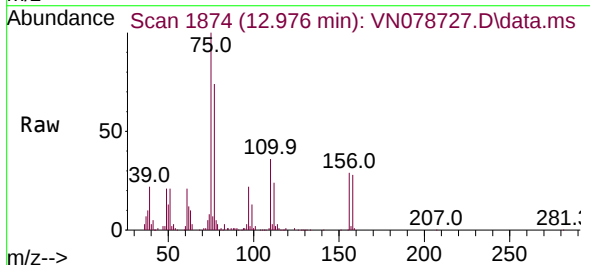
Tgt Ion: 83 Resp: 244311
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.4
85 64.2 32.6 98.0

Manual Integrations
APPROVED

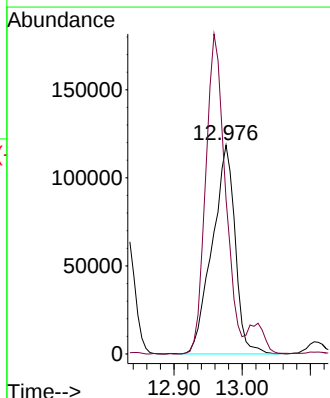
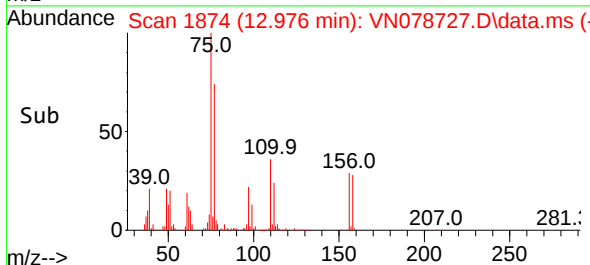
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

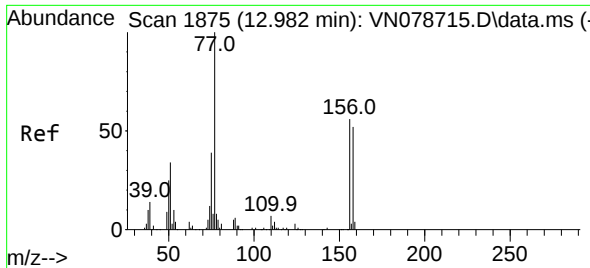


#72
1,2,3-Trichloropropane
Concen: 24.234 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



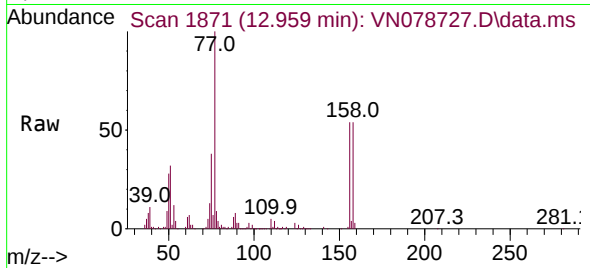
Tgt Ion: 75 Resp: 277165
Ion Ratio Lower Upper
75 100
77 131.1 0.0 387.4





#73
Bromobenzene
Concen: 16.494 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

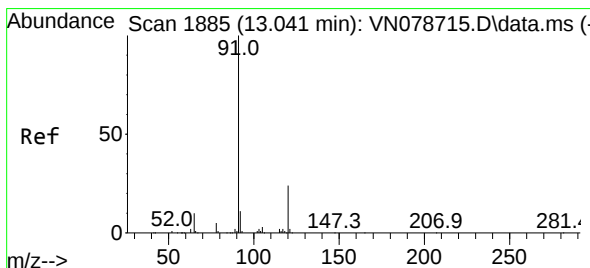
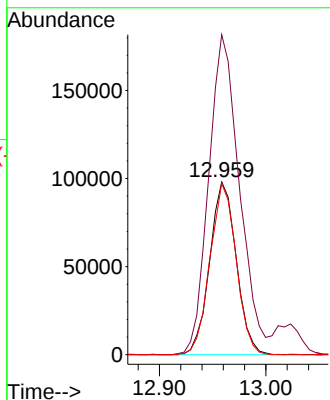
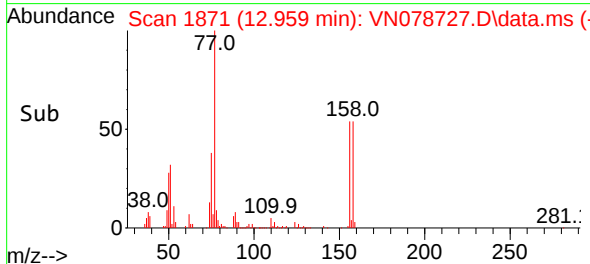
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



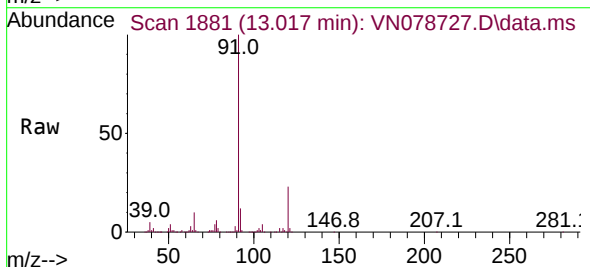
Tgt Ion:156 Resp: 16968
Ion Ratio Lower Upper
156 100
77 214.1 0.0 420.8
158 97.4 0.0 193.2

Manual Integrations
APPROVED

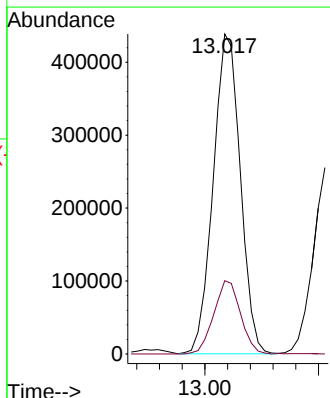
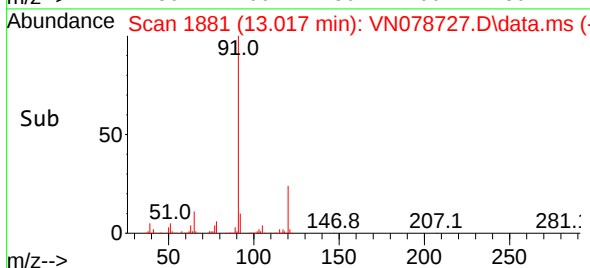
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

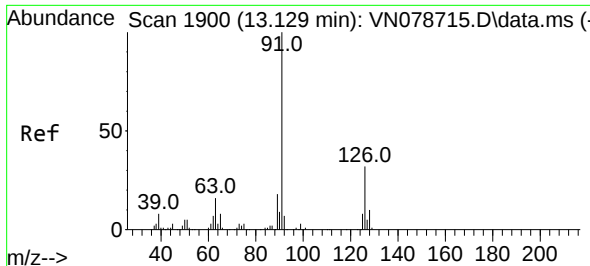


#74
n-propylbenzene
Concen: 15.606 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



Tgt Ion: 91 Resp: 725989
Ion Ratio Lower Upper
91 100
120 22.5 0.0 44.6





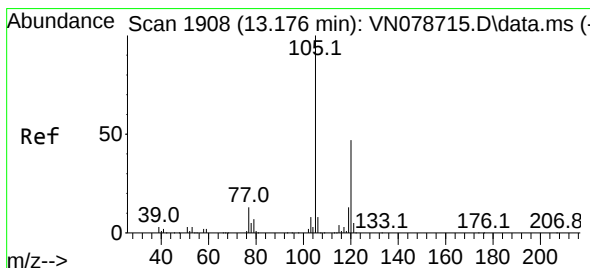
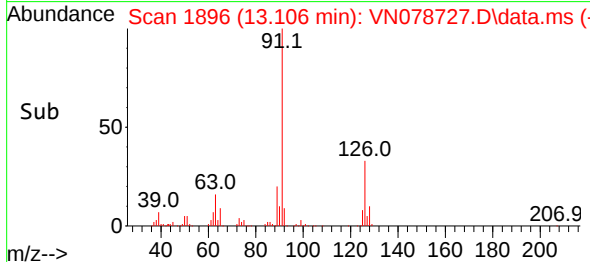
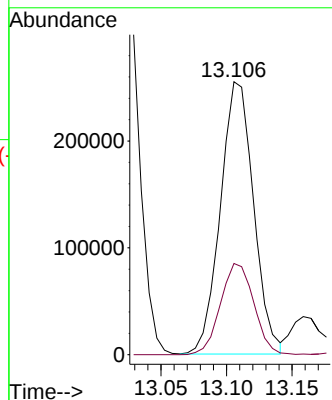
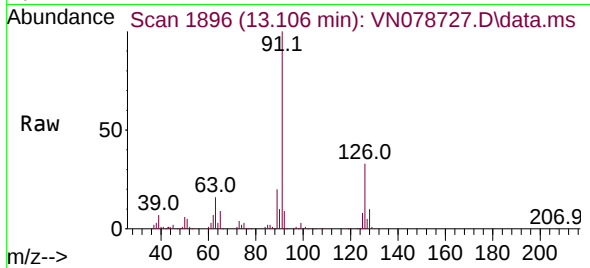
#75
2-Chlorotoluene
Concen: 13.985 ug/l
RT: 13.106 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 449289
Ion Ratio Lower Upper
91 100
126 33.6 0.0 67.2

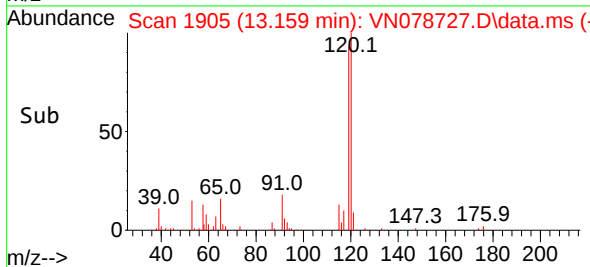
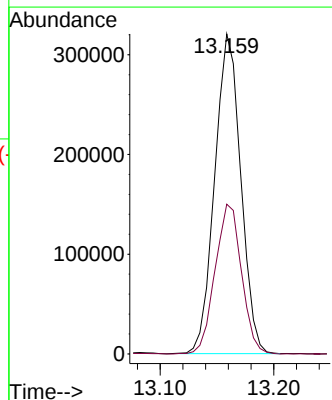
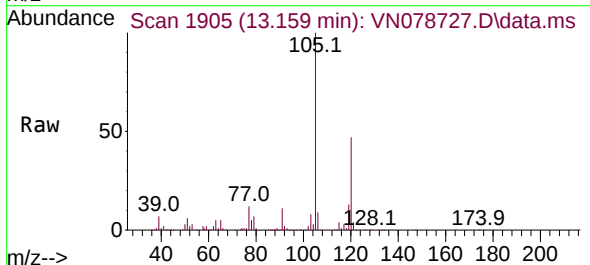
Manual Integrations
APPROVED

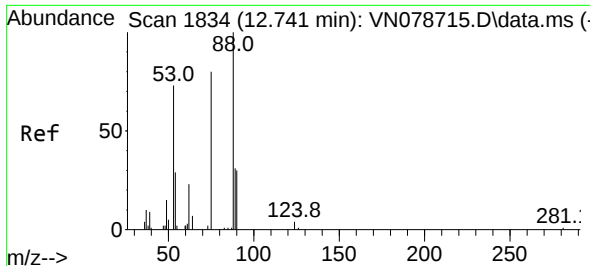
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#76
1,3,5-Trimethylbenzene
Concen: 13.628 ug/l
RT: 13.159 min Scan# 1905
Delta R.T. -0.018 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

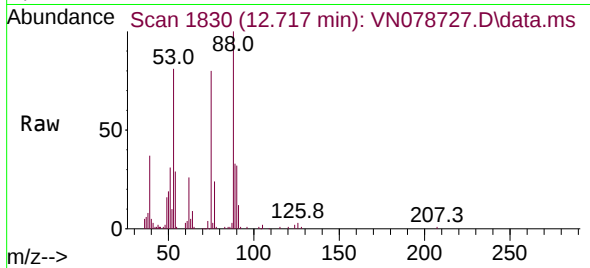
Tgt Ion:105 Resp: 510668
Ion Ratio Lower Upper
105 100
120 47.5 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 16.104 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.024 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

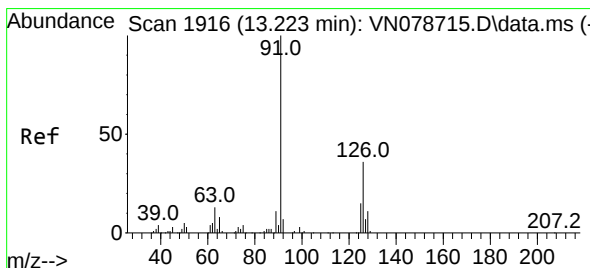
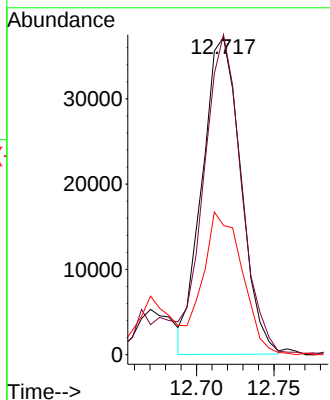
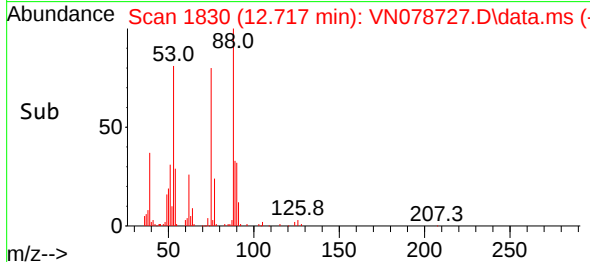
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 64370
Ion Ratio Lower Upper
75 100
53 101.0 41.6 124.9
89 40.6 25.1 75.4

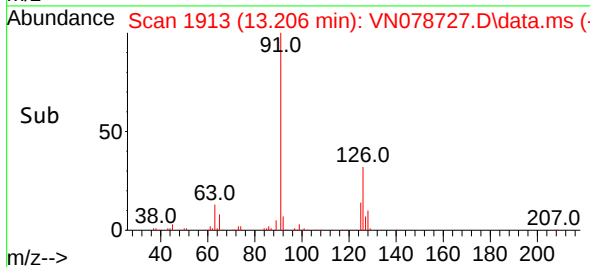
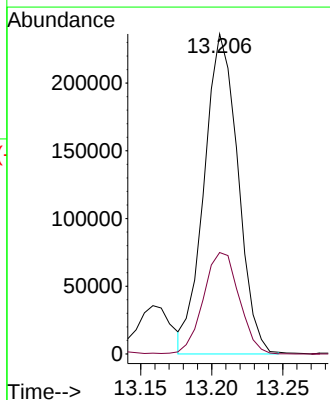
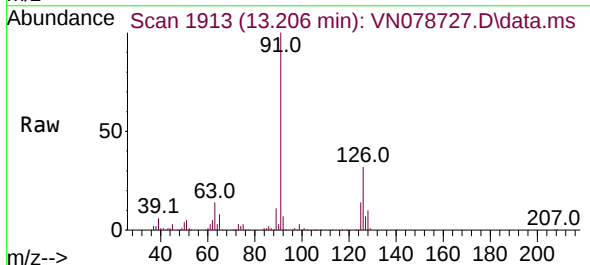
Manual Integrations
APPROVED

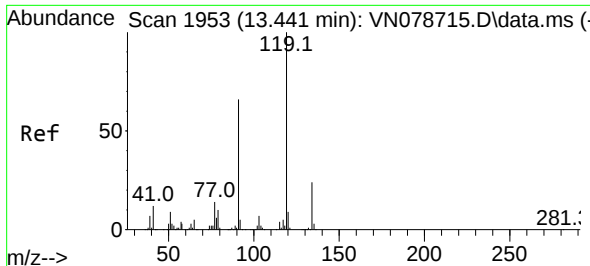
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#78
4-Chlorotoluene
Concen: 12.619 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. -0.018 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

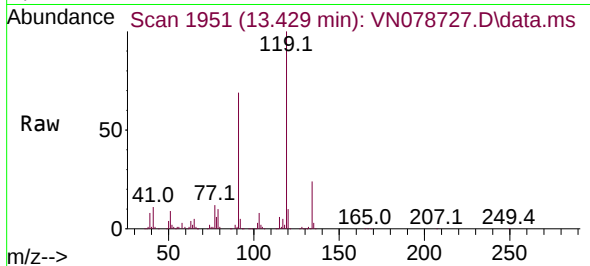
Tgt Ion: 91 Resp: 391422
Ion Ratio Lower Upper
91 100
126 33.5 0.0 68.8





#79
tert-butylbenzene
Concen: 12.380 ug/l
RT: 13.429 min Scan# 1951
Delta R.T. -0.012 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

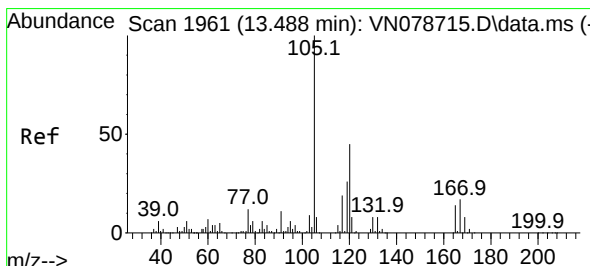
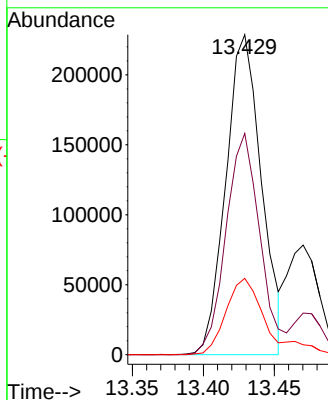
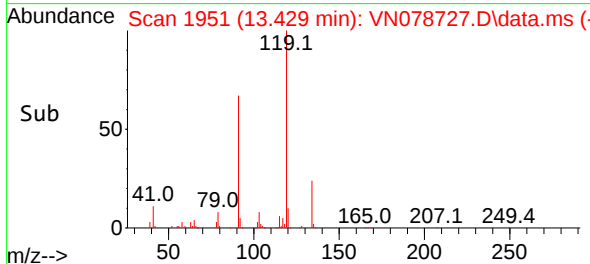
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:119 Resp: 399298
Ion Ratio Lower Upper
119 100
91 66.2 0.0 126.6
134 23.6 0.0 44.0

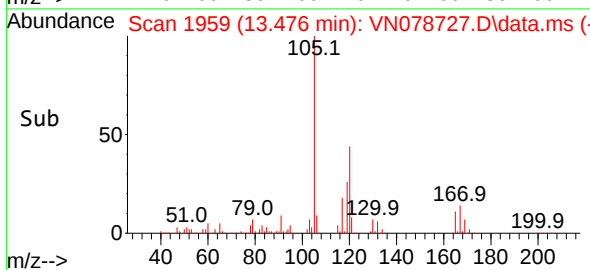
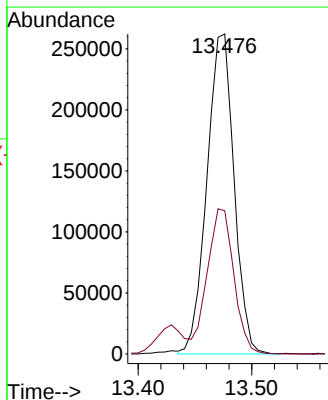
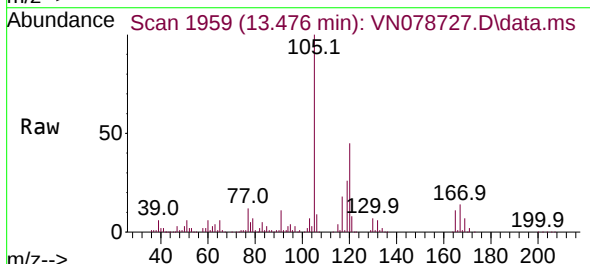
Manual Integrations
APPROVED

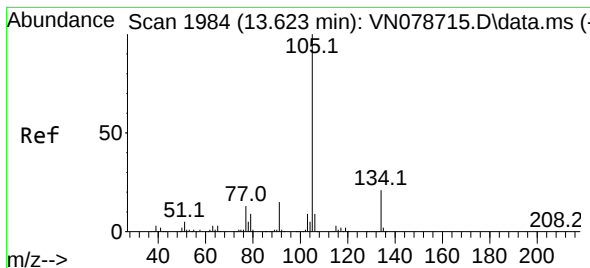
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#80
1,2,4-Trimethylbenzene
Concen: 12.172 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.012 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Tgt Ion:105 Resp: 435617
Ion Ratio Lower Upper
105 100
120 44.2 0.0 88.2





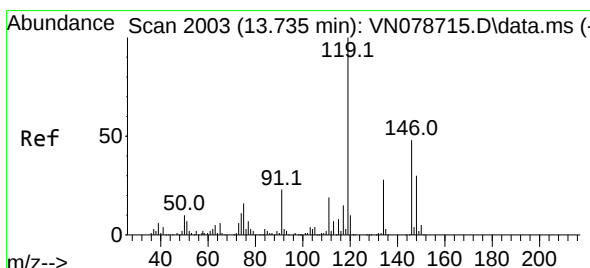
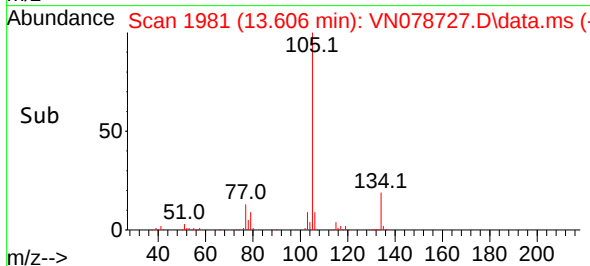
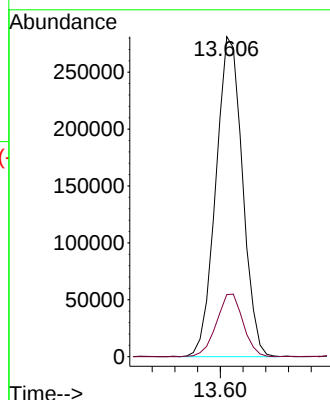
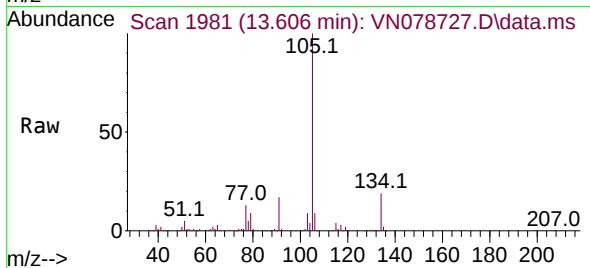
#81
 sec-Butylbenzene
 Concen: 11.076 ug/l
 RT: 13.606 min Scan# 1984
 Delta R.T. -0.018 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 457902
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.6

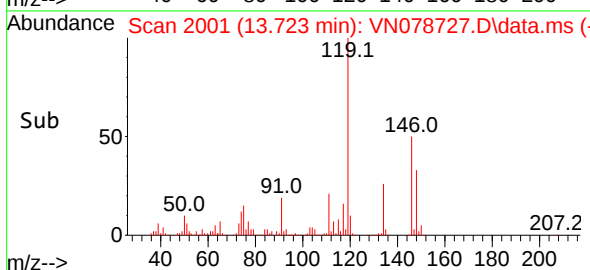
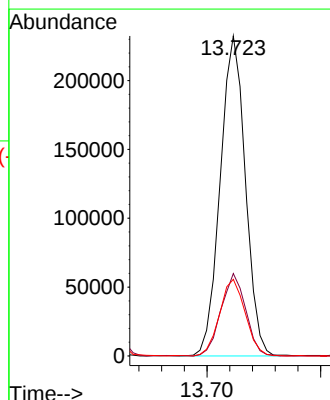
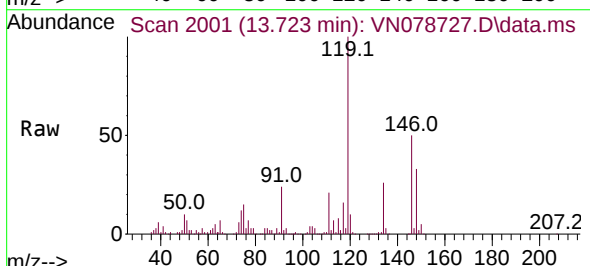
Manual Integrations
 APPROVED

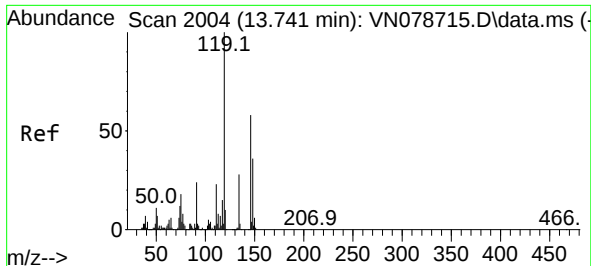
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#82
 p-Isopropyltoluene
 Concen: 10.528 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.012 min
 Lab File: VN078727.D
 Acq: 01 Aug 2023 20:14

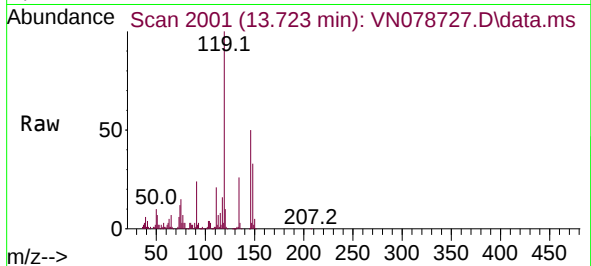
Tgt Ion:119 Resp: 357315
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 52.4
 91 24.5 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 10.743 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.018 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

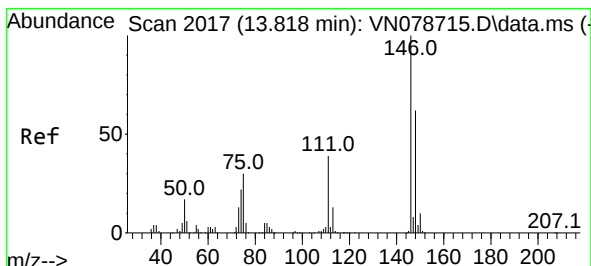
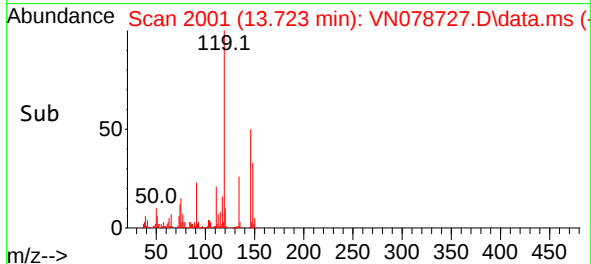
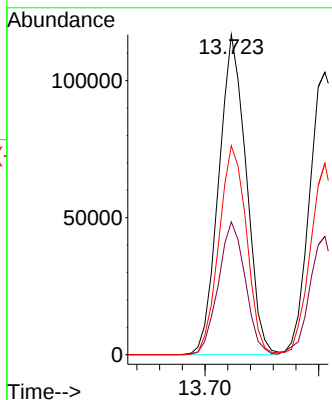
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 195980
Ion Ratio Lower Upper
146 100
111 40.7 21.6 64.6
148 65.5 31.9 95.5

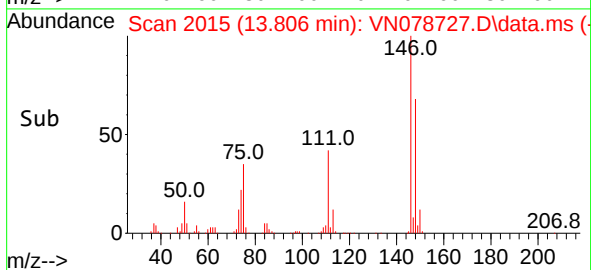
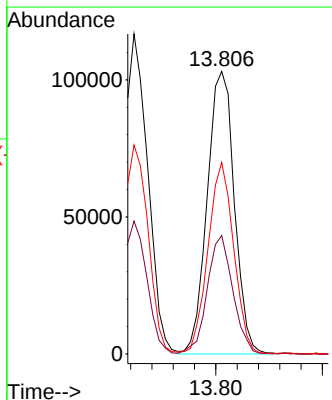
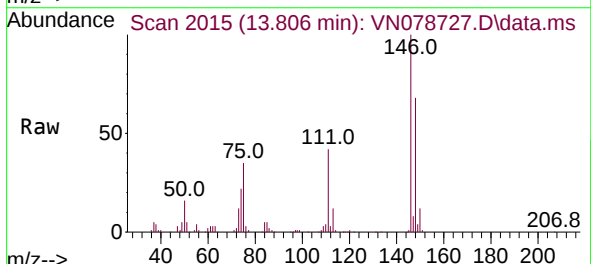
Manual Integrations
APPROVED

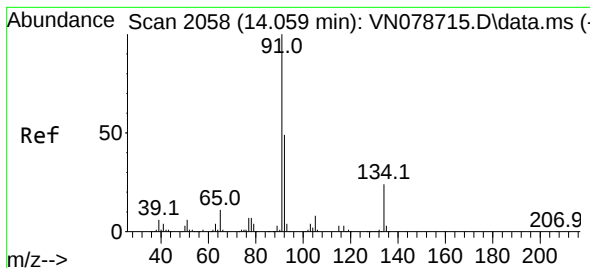
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#84
1,4-Dichlorobenzene
Concen: 10.690 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.012 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

Tgt Ion:146 Resp: 182574
Ion Ratio Lower Upper
146 100
111 39.5 19.4 58.2
148 64.1 31.4 94.3





#85

n-Butylbenzene

Concen: 10.359 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN078727.D

Acq: 01 Aug 2023 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

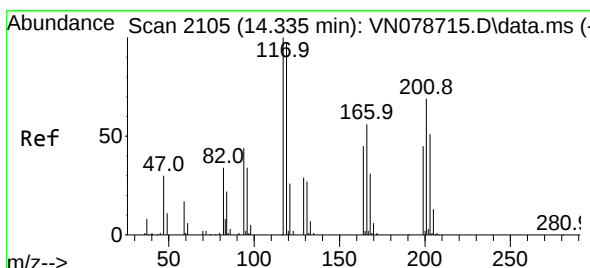
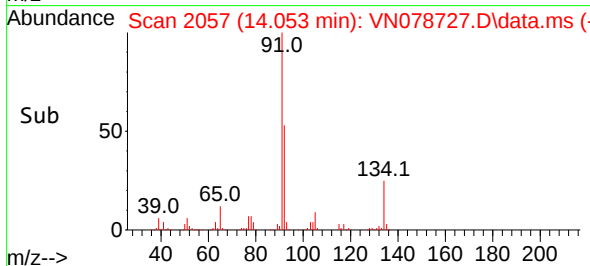
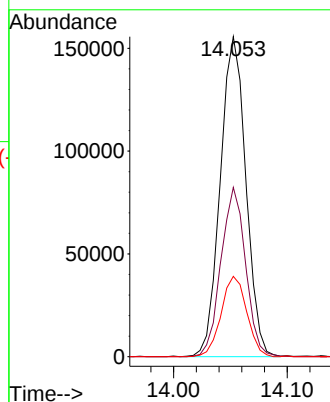
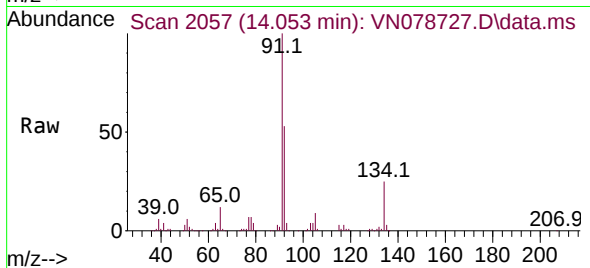
Tgt Ion: 91	Resp: 24379
Ion Ratio	Lower Upper
91	100
92	50.9 0.0 99.6
134	25.1 0.0 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#86

Hexachloroethane

Concen: 12.467 ug/l

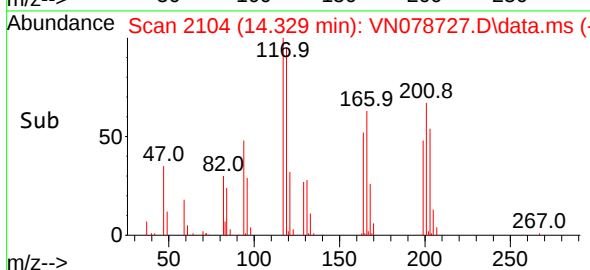
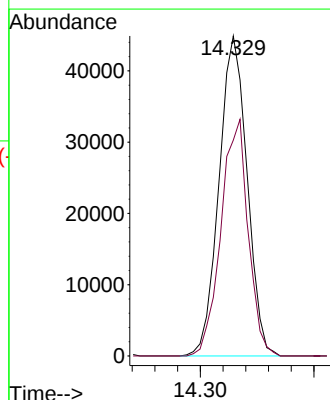
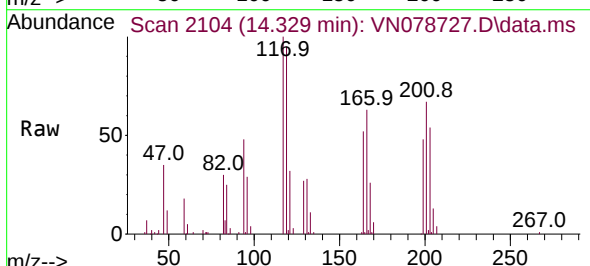
RT: 14.329 min Scan# 2104

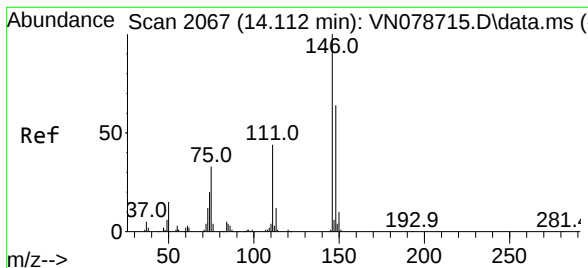
Delta R.T. -0.006 min

Lab File: VN078727.D

Acq: 01 Aug 2023 20:14

Tgt Ion: 117	Resp: 77095
Ion Ratio	Lower Upper
117	100
201	71.6 34.2 102.6





#87

1,2-Dichlorobenzene

Concen: 11.424 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.012 min

Lab File: VN078727.D

Acq: 01 Aug 2023 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 19504

Ion Ratio Lower Upper

146 100

111 41.3 22.4 67.3

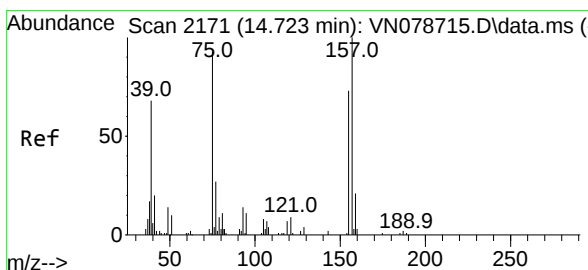
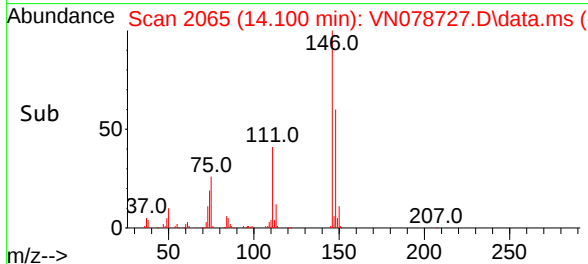
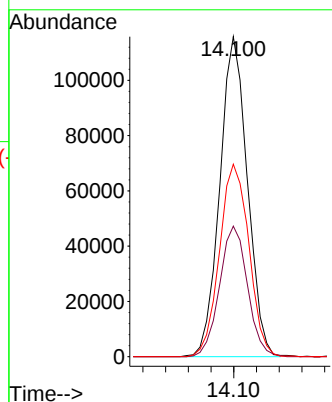
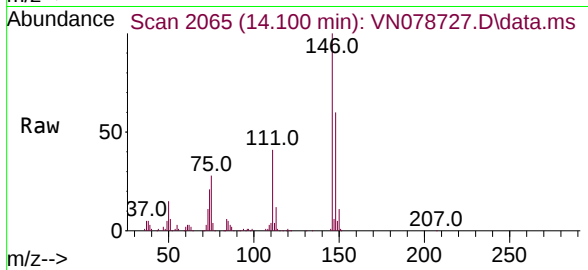
148 64.1 33.4 100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 10.785 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.006 min

Lab File: VN078727.D

Acq: 01 Aug 2023 20:14

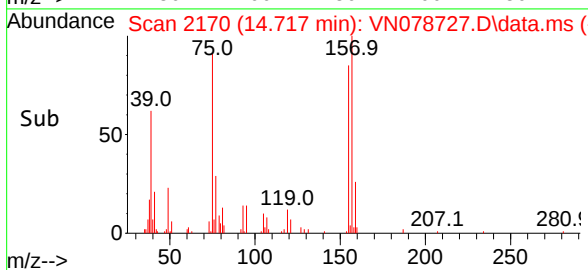
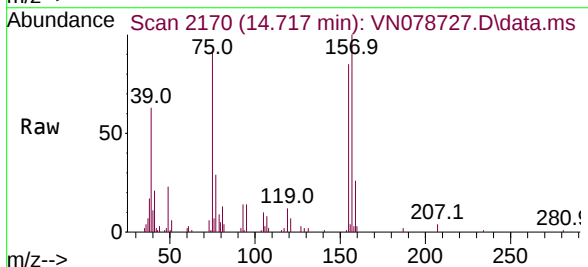
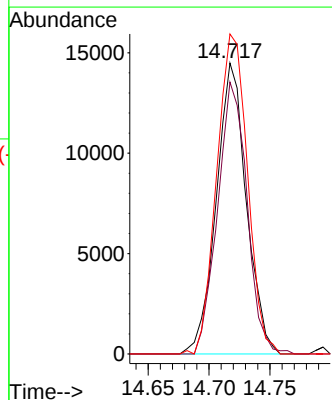
Tgt Ion: 75 Resp: 24970

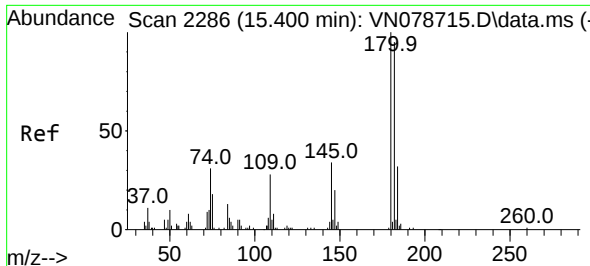
Ion Ratio Lower Upper

75 100

155 90.8 68.2 102.2

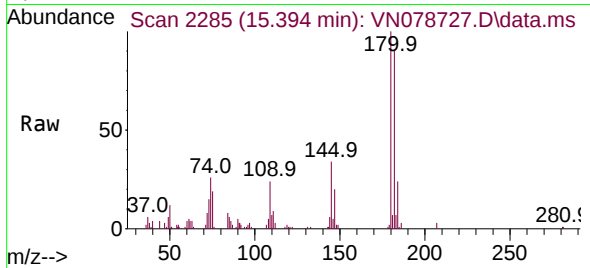
157 112.0 84.7 127.1





#89
1,2,4-Trichlorobenzene
Concen: 9.608 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

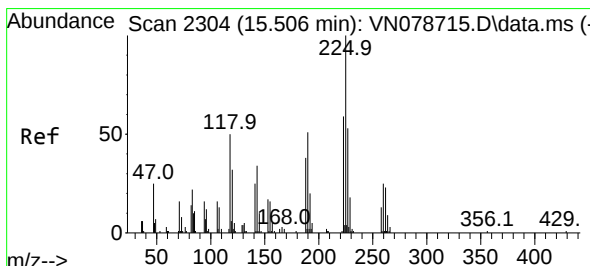
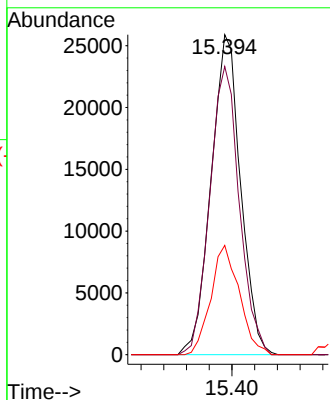
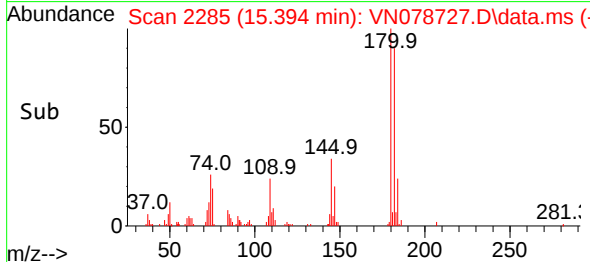
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 46802
Ion Ratio Lower Upper
180 100
182 90.1 73.7 110.5
145 33.0 25.0 37.6

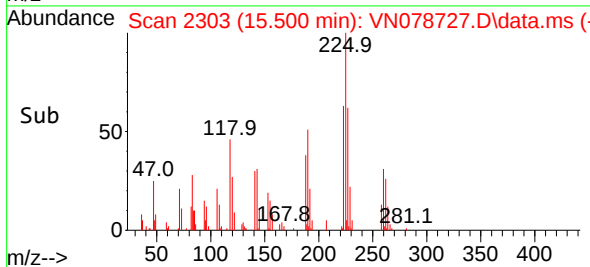
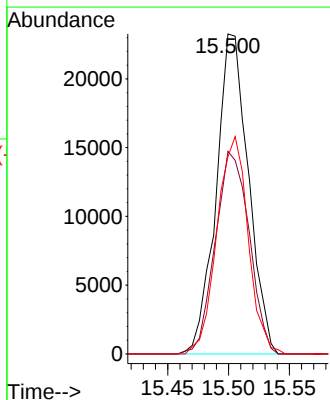
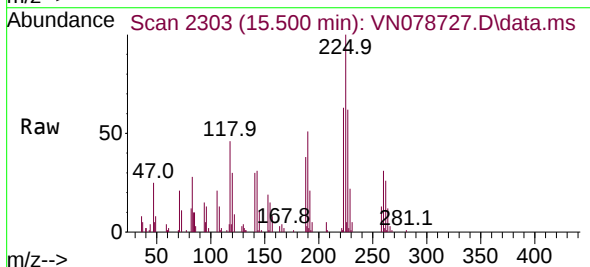
Manual Integrations
APPROVED

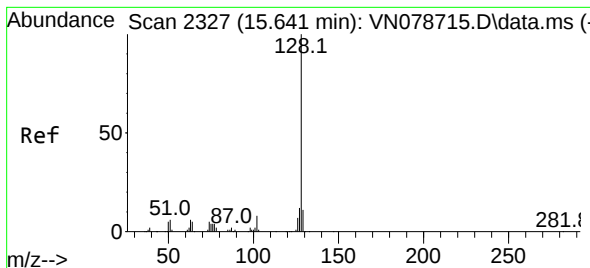
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#90
Hexachlorobutadiene
Concen: 11.578 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

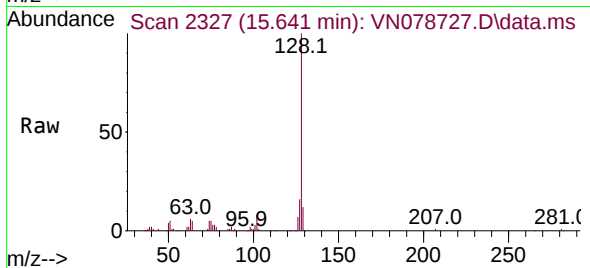
Tgt Ion:225 Resp: 42967
Ion Ratio Lower Upper
225 100
223 66.4 0.0 130.0
227 65.5 0.0 124.0





#91
Naphthalene
Concen: 8.464 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14

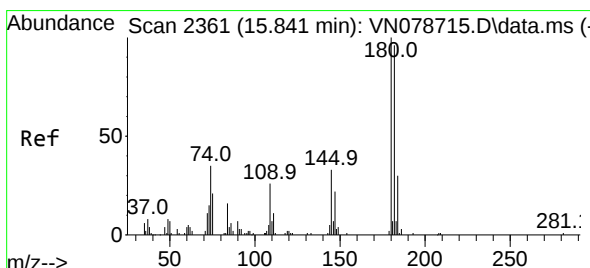
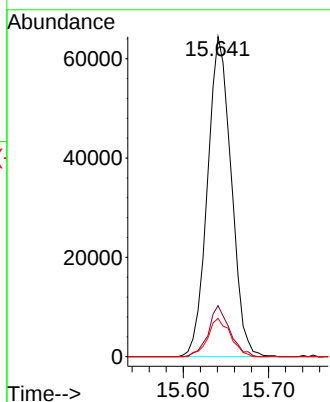
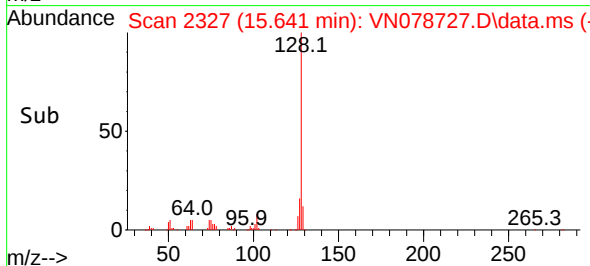
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



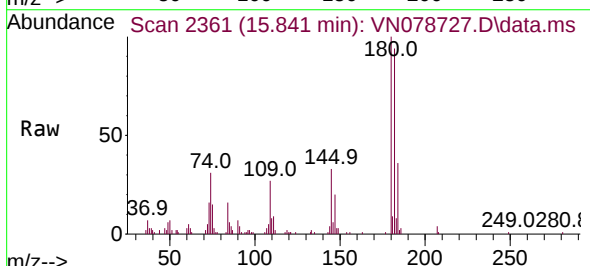
Tgt Ion:128 Resp: 124909
Ion Ratio Lower Upper
128 100
127 14.3 10.2 15.2
129 11.5 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#92
1,2,3-Trichlorobenzene
Concen: 10.109 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN078727.D
Acq: 01 Aug 2023 20:14



Tgt Ion:180 Resp: 56042
Ion Ratio Lower Upper
180 100
182 98.6 0.0 196.4
145 31.2 0.0 71.0

