

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020524\  
 Data File : VU057807.D  
 Acq On : 05 Feb 2024 14:30  
 Operator : MD/SY  
 Sample : VSTDIC015  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_U  
**ClientSampleId :**  
 VSTDIC015

**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

Quant Time: Feb 06 01:03:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U020524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 06 00:58:29 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) Fluorobenzene	6.107	96	44075	1.000	ug/l	# 0.00
<b>System Monitoring Compounds</b>						
57) 4-Bromofluorobenzene	10.628	95	17157	1.049	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14664	1.000	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.000%	
<b>Target Compounds</b>						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	233420	15.921	ug/l	100
3) Chloromethane	1.519	50	213265	15.080	ug/l	99
4) Vinyl Chloride	1.599	62	231220	16.084	ug/l	98
5) Bromomethane	1.856	94	136524	16.224	ug/l	100
6) Chloroethane	1.927	64	153268	16.940	ug/l	99
7) Trichlorofluoromethane	2.126	101	342859	16.275	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	172092	15.275	ug/l	97
9) 1,1-Dichloroethene	2.573	96	168407	15.510	ug/l	99
10) Iodomethane	2.715	142	269787	20.421	ug/l	93
11) Allyl Chloride	2.914	41	260255	17.332	ug/l	91
12) Acrylonitrile	3.313	53	70964	36.947	ug/l	95
13) Acetone	2.634	43	312527	93.536	ug/l	92
14) Carbon Disulfide	2.782	76	537158	15.419	ug/l	100
15) Methylene Chloride	3.036	84	193724	14.850	ug/l	98
16) trans-1,2-Dichloroethene	3.342	96	182131	15.367	ug/l	95
17) 1,1-Dichloroethane	3.856	63	373637	16.506	ug/l	98
18) 2-Butanone	4.715	43	364795	99.789	ug/l	96
19) Cyclohexane	5.371	56	291924	16.395	ug/l	94
20) Methylcyclohexane	6.753	83	350024	16.451	ug/l	97
21) 2,2-Dichloropropane	4.654	77	332047	16.638	ug/l	96
22) cis-1,2-Dichloroethene	4.657	96	200643	15.508	ug/l	91
23) Diethyl Ether	2.367	59	127362	16.043	ug/l	98
24) tert-Butyl Alcohol	3.232	59	96695	118.971	ug/l	# 1
25) Methyl tert-Butyl Ether	3.358	73	432201	16.752	ug/l	94
26) Bromochloromethane	4.965	128	77835	14.977	ug/l	89
27) Chloroform	5.078	83	368811	15.798	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	328474	15.643	ug/l	99
29) 1,1-Dichloropropene	5.515	75	275560	16.147	ug/l	97
30) Carbon Tetrachloride	5.512	117	290202	15.996	ug/l	99
31) Isopropyl Ether	3.988	45	576709	17.243	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	562908	18.128	ug/l	97
33) Tert-Amyl methyl ether	5.940	73	476072	18.186	ug/l	98
34) Propionitrile	4.789	54	68006	90.062	ug/l	# 14
35) Benzene	5.763	78	782068	15.887	ug/l	100
36) 1,2-Dichloroethane	5.789	62	230747	16.054	ug/l	98
37) Trichloroethene	6.535	130	202248	15.551	ug/l	96
38) 1,2-Dichloropropane	6.785	63	211129	16.450	ug/l	99
39) Methacrylonitrile	4.972	41	60554	19.591	ug/l	94
40) Methyl acrylate	4.843	55	100745	21.802	ug/l	# 98
41) Tetrahydrofuran	5.062	42	57962	35.672	ug/l	97
42) 1-Chlorobutane	5.448	56	368058	16.326	ug/l	95
43) Dibromomethane	6.914	93	97247	16.553	ug/l	96
44) Bromodichloromethane	7.100	83	267855	16.296	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	549855	91.254	ug/l	98
46) t-1,4-Dichloro-2-butene	10.837	75	66679m	39.274	ug/l	
47) Methyl methacrylate	6.959	69	184207	35.258	ug/l	93
48) Ethyl methacrylate	8.332	69	184385	17.742	ug/l	97
49) Toluene	7.962	92	488040	16.244	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	250604	17.562	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	308292	17.137	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	132748	16.340	ug/l	98
53) 1,3-Dichloropropane	8.570	76	240160	16.400	ug/l	99
54) 2-Hexanone	8.686	43	537905	94.371	ug/l	98
55) Dibromochloromethane	8.805	129	167302	16.729	ug/l	100
56) 1,2-Dibromoethane	8.917	107	127380	17.084	ug/l	99
58) Tetrachloroethene	8.547	164	176311	15.371	ug/l	93
59) Chlorobenzene	9.441	112	539807	16.339	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	186361	16.559	ug/l	98
61) Pentachloroethane	11.422	117	139775	17.281	ug/l	90
62) Hexachloroethane	12.470	117	168663	18.876	ug/l	96
63) Ethyl Benzene	9.563	91	973609	16.556	ug/l	100
64) m/p-Xylenes	9.689	106	723979	33.927	ug/l	98
65) o-Xylene	10.094	106	356244	16.872	ug/l	95
66) Styrene	10.110	104	567904	17.990	ug/l	96
67) Bromoform	10.284	173	88282	17.346	ug/l	98
69) Isopropylbenzene	10.480	105	958775	17.335	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	164342	16.348	ug/l	98
71) 1,2,3-Trichloropropane	10.833	75	146856m	17.825	ug/l	
72) Bromobenzene	10.779	156	202052	16.713	ug/l	97
73) n-propylbenzene	10.901	120	256815	18.394	ug/l	97
74) 2-Chlorotoluene	10.981	126	213877	16.669	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	814270	17.103	ug/l	99
76) 4-Chlorotoluene	11.091	126	221574	17.134	ug/l	94
77) tert-Butylbenzene	11.415	119	780592	17.447	ug/l	98
78) 1,2,4-Trimethylbenzene	11.464	105	829475	17.186	ug/l	99
79) sec-Butylbenzene	11.637	105	1046251	18.138	ug/l	99
80) Nitrobenzene	13.203	77	24809	118.624	ug/l #	93
81) p-Isopropyltoluene	11.788	119	876921	18.192	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	407947	16.655	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	410201	17.093	ug/l	98
84) n-Butylbenzene	12.203	91	856540	18.707	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	371071	16.586	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	28315	20.182	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	247247	18.602	ug/l	98
88) Hexachlorobutadiene	14.017	225	147831	17.295	ug/l	99
89) Naphthalene	14.081	128	414275	20.157	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	204779	18.332	ug/l	99

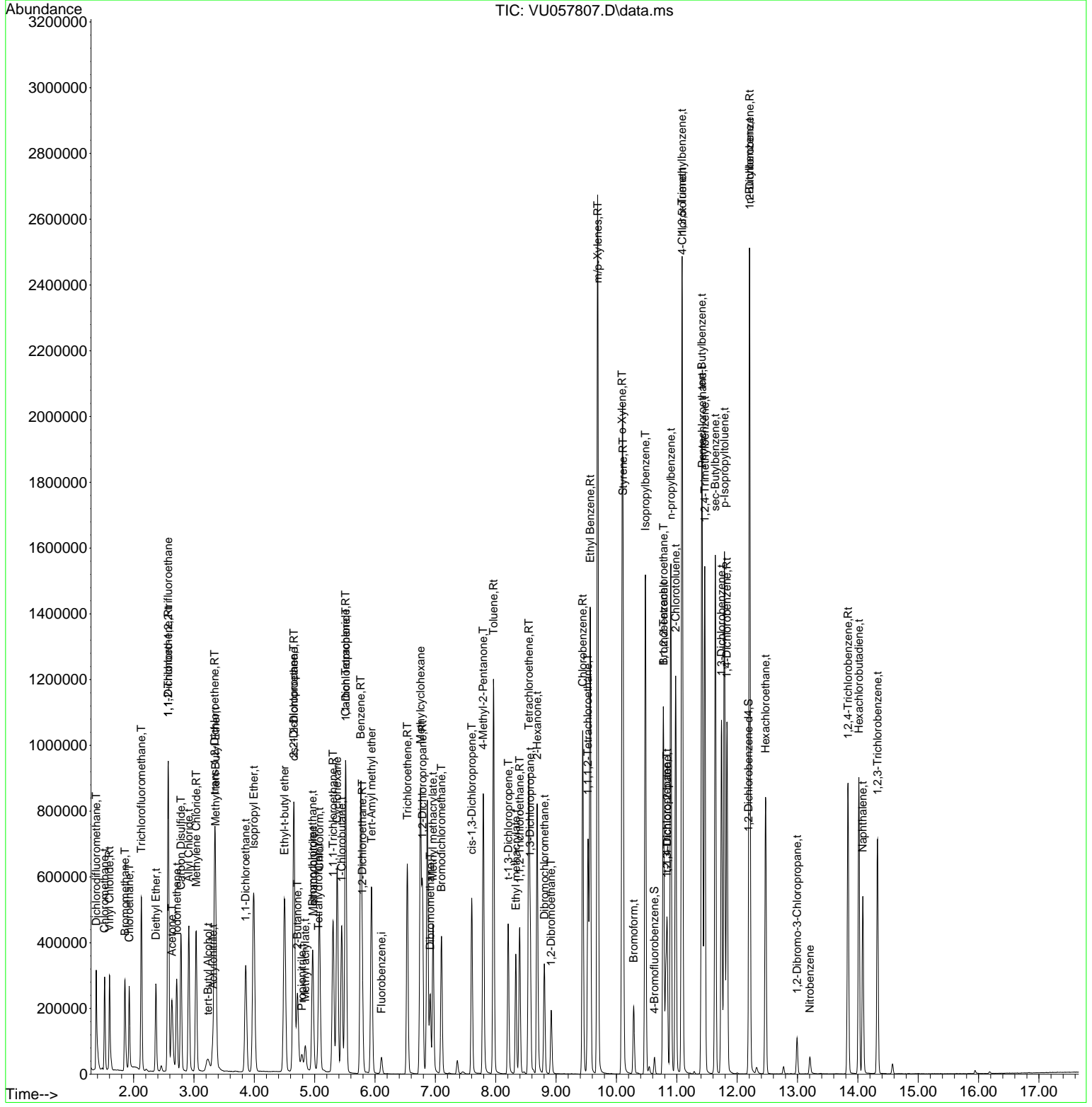
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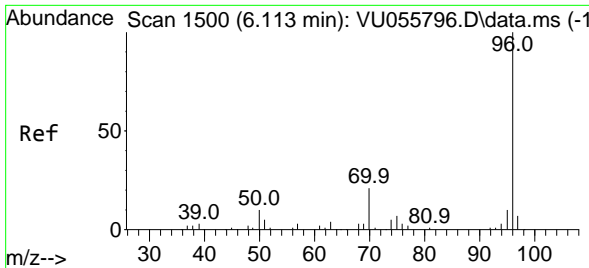
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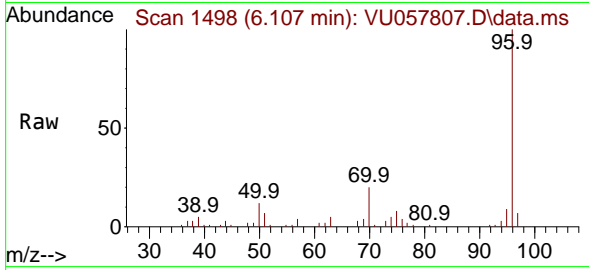
Manual Integrations  
**APPROVED**  
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 Supervised By :Mahesh Dadoda 02/14/2024





#1  
 Fluorobenzene  
 Concen: 1.000 ug/l  
 RT: 6.107 min Scan# 14  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 ClientSampleId : VSTDICC015

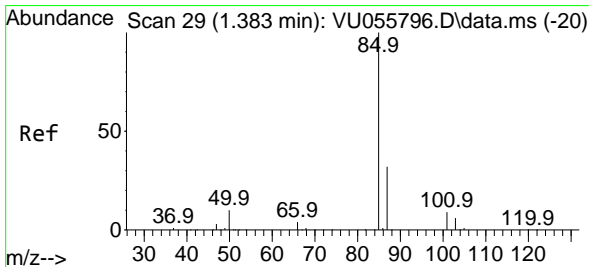
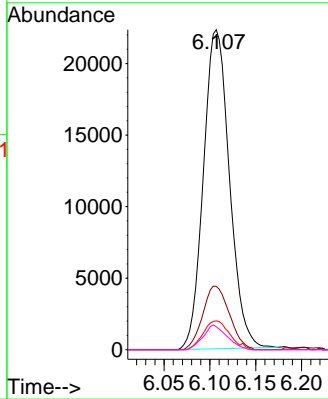
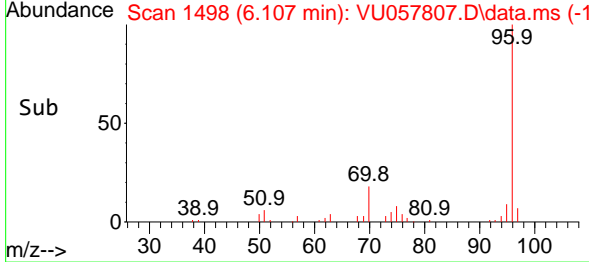


Tgt Ion: 96 Resp: 4407

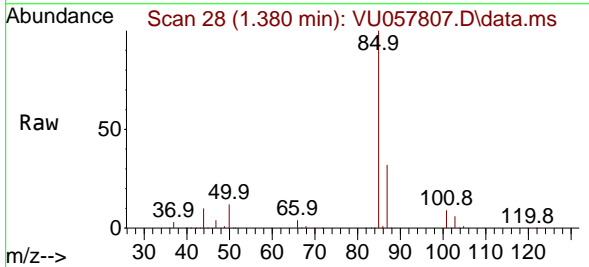
Ion	Ratio	Lower	Upper
96	100		
70	20.4	16.5	24.7
95	0.0	7.4	11.0
97	0.0	0.0	0.0

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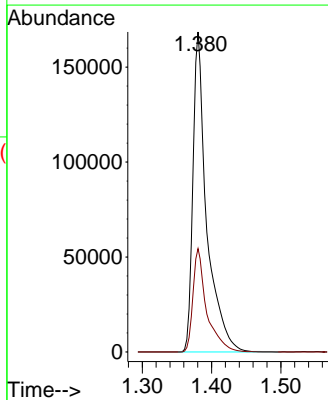
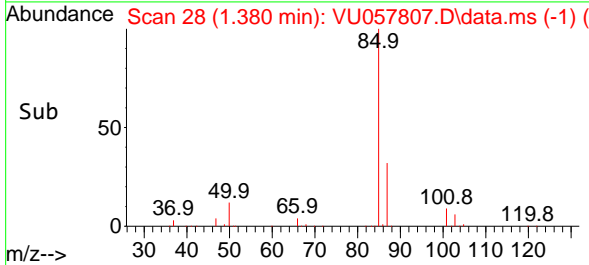


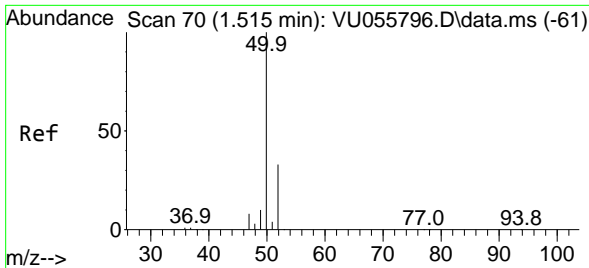
#2  
 Dichlorodifluoromethane  
 Concen: 15.921 ug/l  
 RT: 1.380 min Scan# 28  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 85 Resp: 233420

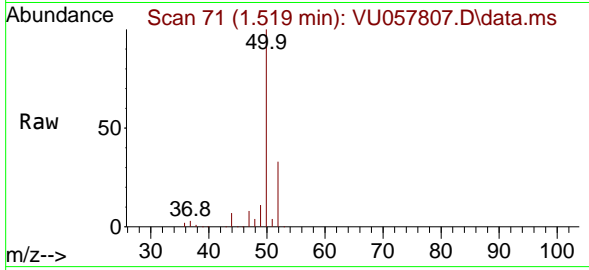
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6





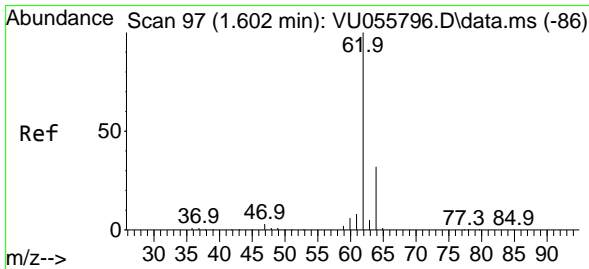
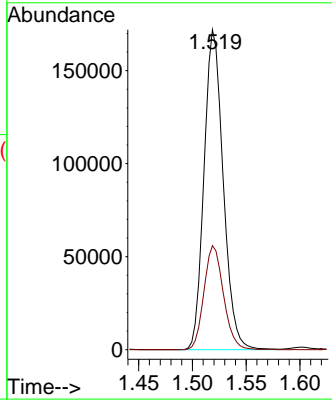
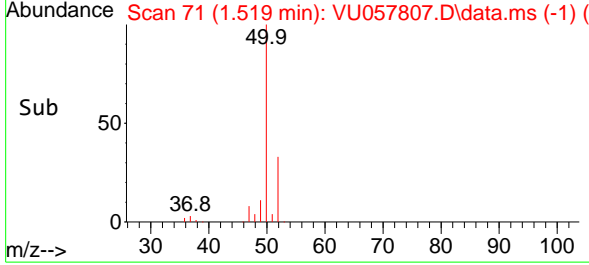
#3  
 Chloromethane  
 Concen: 15.080 ug/l  
 RT: 1.519 min Scan# 71  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
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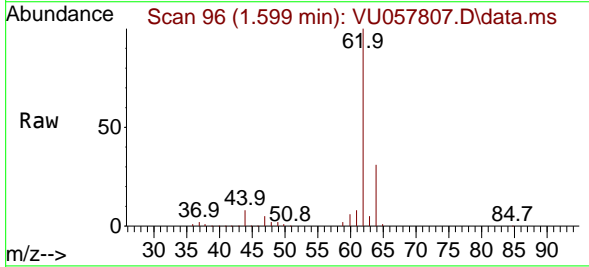


Tgt Ion: 50 Resp: 21326  
 Ion Ratio Lower Upper  
 50 100  
 52 32.5 26.6 40.0

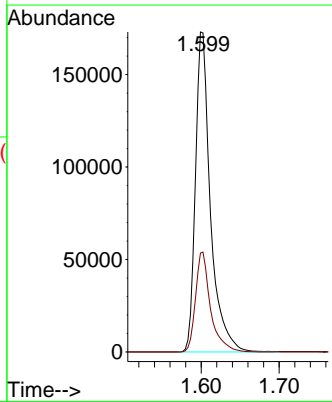
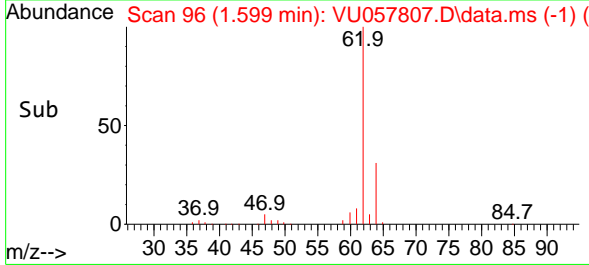
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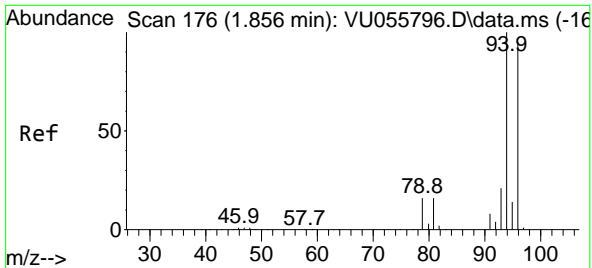


#4  
 Vinyl Chloride  
 Concen: 16.084 ug/l  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



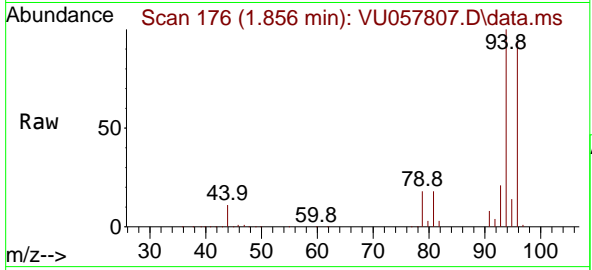
Tgt Ion: 62 Resp: 231220  
 Ion Ratio Lower Upper  
 62 100  
 64 30.9 25.4 38.2





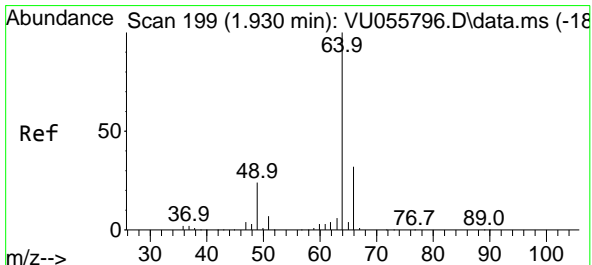
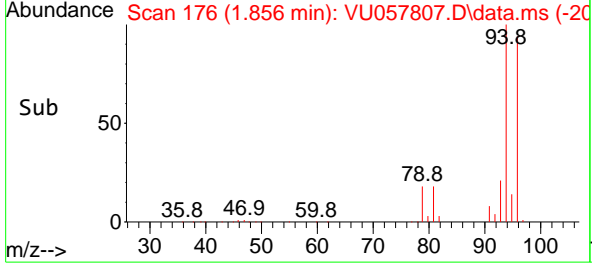
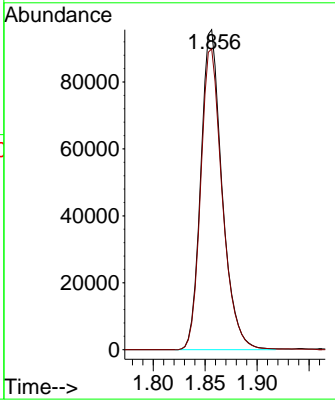
#5  
 Bromomethane  
 Concen: 16.224 ug/l  
 RT: 1.856 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

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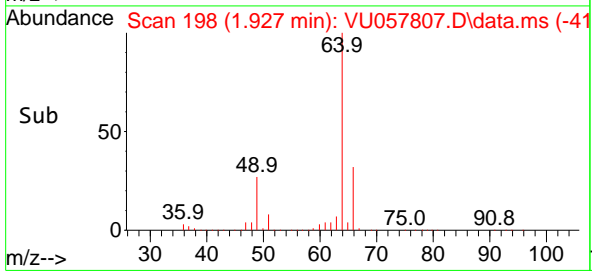
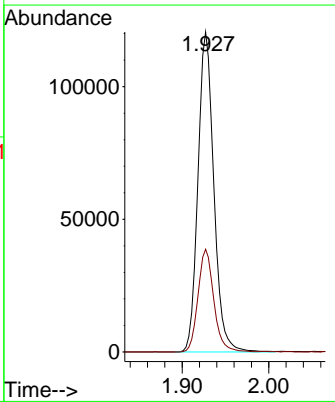
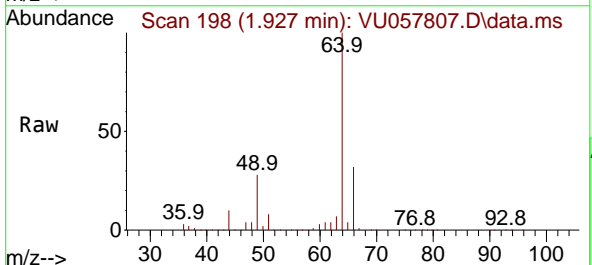
Tgt Ion: 94 Resp: 136524  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 75.4 113.2

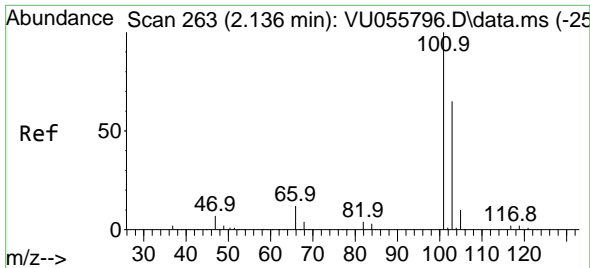
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#6  
 Chloroethane  
 Concen: 16.940 ug/l  
 RT: 1.927 min Scan# 198  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

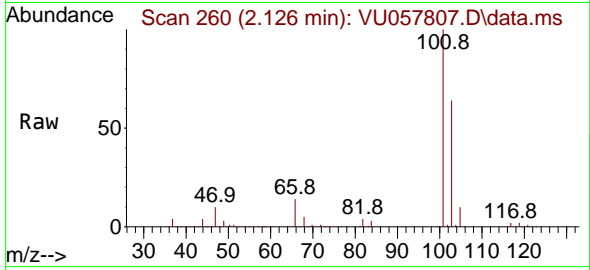
Tgt Ion: 64 Resp: 153268  
 Ion Ratio Lower Upper  
 64 100  
 66 32.1 26.0 39.0





#7  
 Trichlorofluoromethane  
 Concen: 16.275 ug/l  
 RT: 2.126 min Scan# 20  
 Delta R.T. 0.010 min  
 Lab File: VU057807.D  
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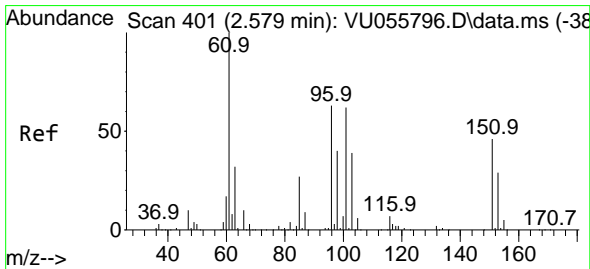
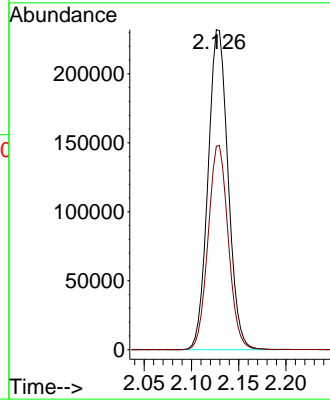
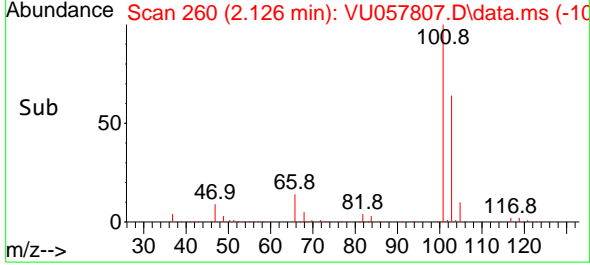
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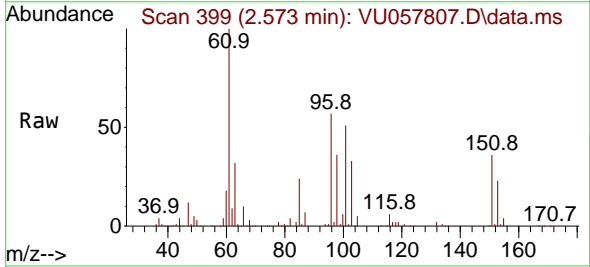
Tgt Ion:101 Resp: 342859  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.4 77.0

Manual Integrations  
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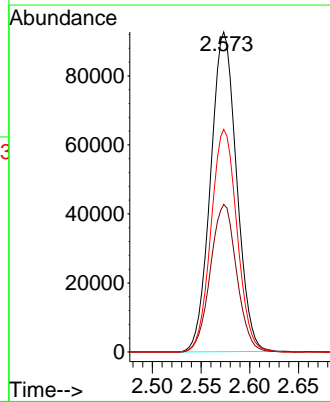
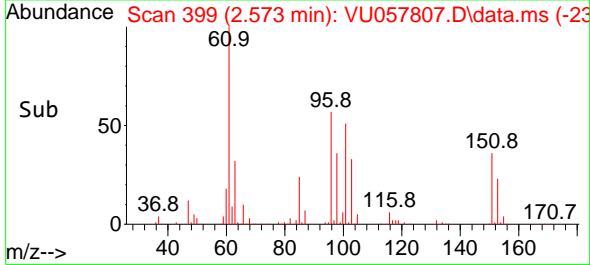
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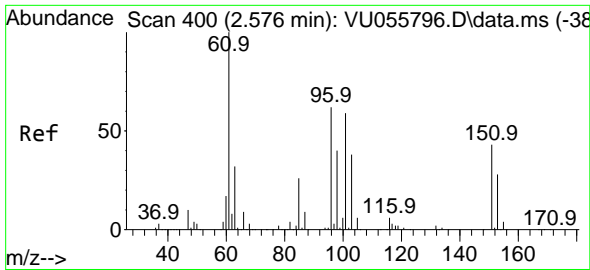


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 15.275 ug/l  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.013 min  
 Lab File: VU057807.D  
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Tgt Ion:101 Resp: 172092  
 Ion Ratio Lower Upper  
 101 100  
 85 46.5 35.4 53.0  
 151 69.7 54.0 81.0





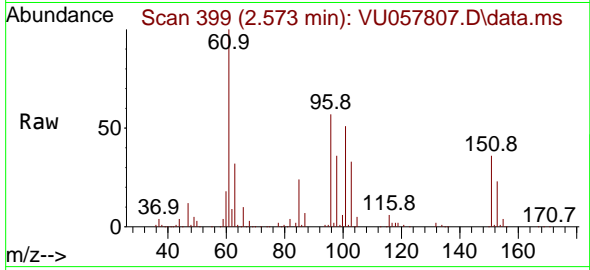
#9  
 1,1-Dichloroethene  
 Concen: 15.510 ug/l  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.013 min  
 Lab File: VU057807.D  
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VSTDIC015



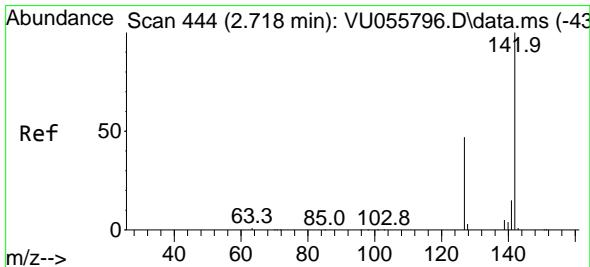
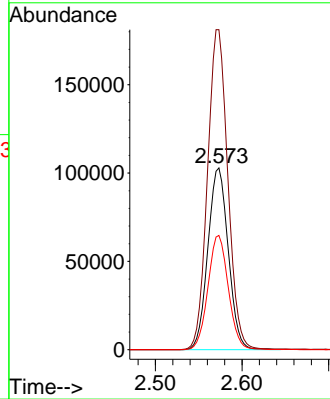
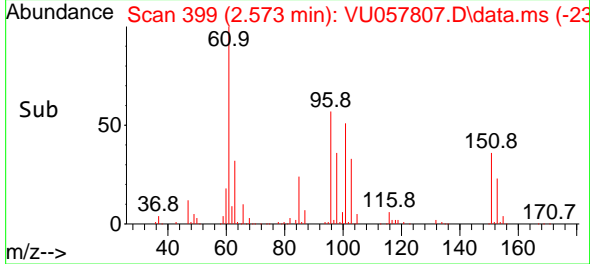
Tgt Ion: 96 Resp: 16840  
 Ion Ratio Lower Upper  
 96 100  
 61 176.0 0.0 521.4  
 98 62.8 0.0 125.8

Manual Integrations

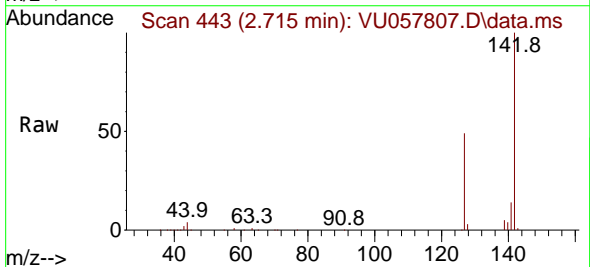
APPROVED

Reviewed By :John Carlone 02/14/2024

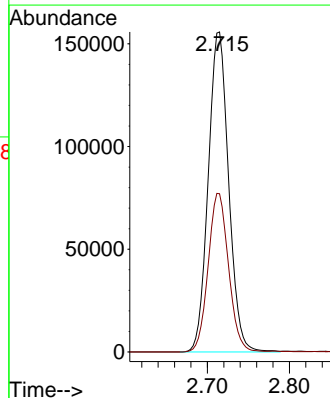
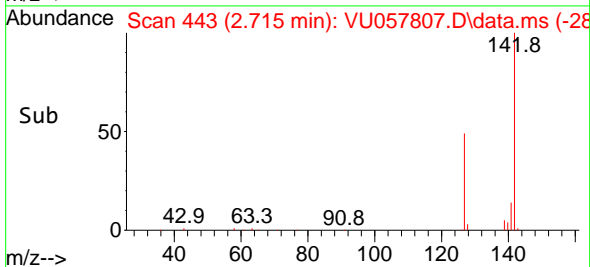
Supervised By :Mahesh Dadoda 02/14/2024



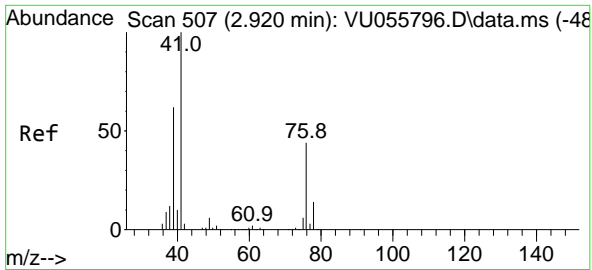
#10  
 Iodomethane  
 Concen: 20.421 ug/l  
 RT: 2.715 min Scan# 443  
 Delta R.T. 0.013 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:142 Resp: 269787  
 Ion Ratio Lower Upper  
 142 100  
 127 49.5 35.9 53.9

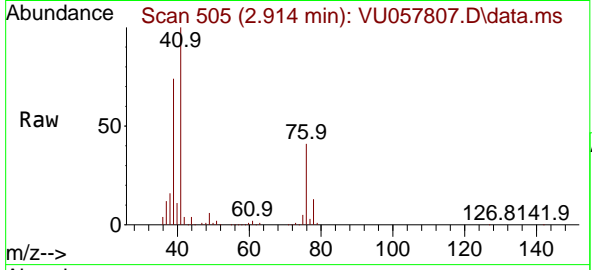






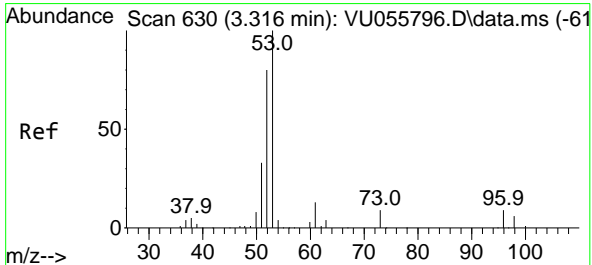
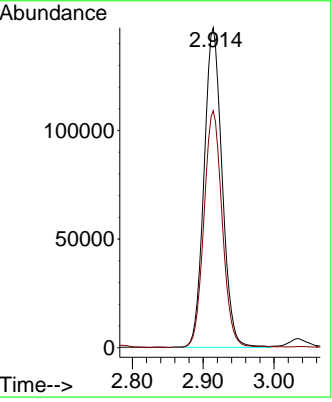
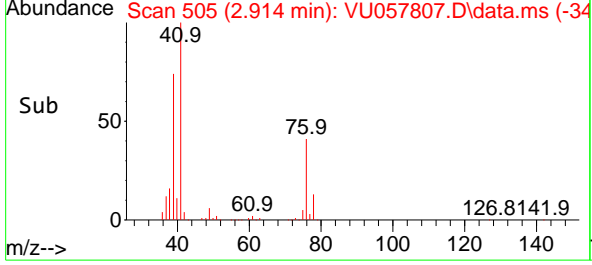
#11  
 Allyl Chloride  
 Concen: 17.332 ug/l  
 RT: 2.914 min Scan# 507  
 Delta R.T. 0.010 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 Client Sample Id : VSTDIC015

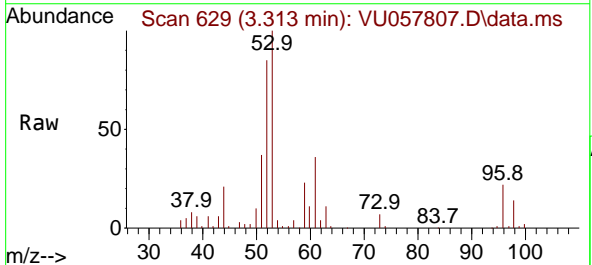


Tgt Ion: 41 Resp: 26025  
 Ion Ratio Lower Upper  
 41 100  
 39 75.0 54.2 81.2

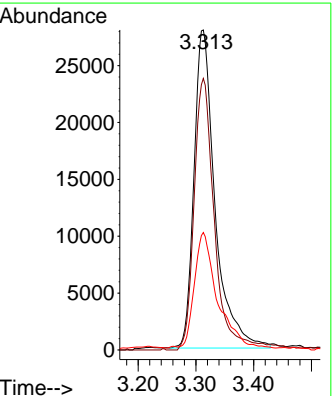
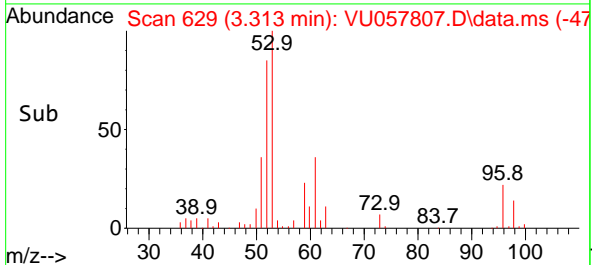
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 02/14/2024  
 Supervised By : Mahesh Dadoda 02/14/2024

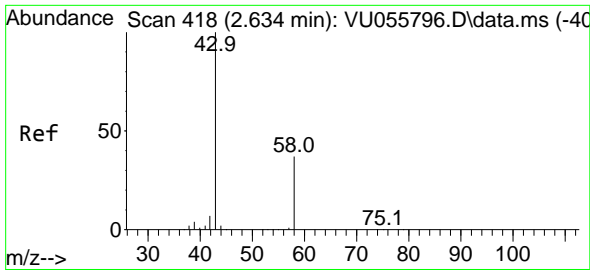


#12  
 Acrylonitrile  
 Concen: 36.947 ug/l  
 RT: 3.313 min Scan# 629  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 53 Resp: 70964  
 Ion Ratio Lower Upper  
 53 100  
 52 81.3 62.9 94.3  
 51 39.3 27.8 41.6





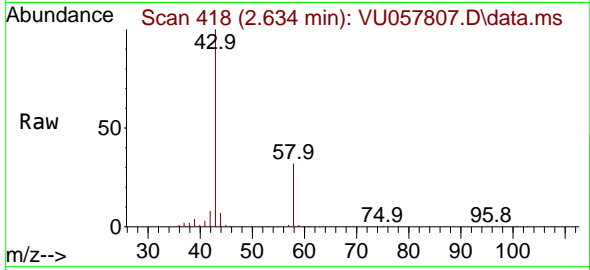
#13  
 Acetone  
 Concen: 93.536 ug/l  
 RT: 2.634 min Scan# 418  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

Client Sample Id :

VSTDIC015



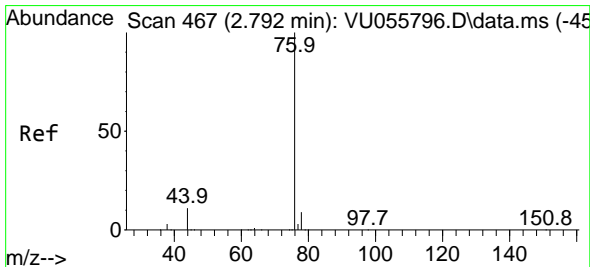
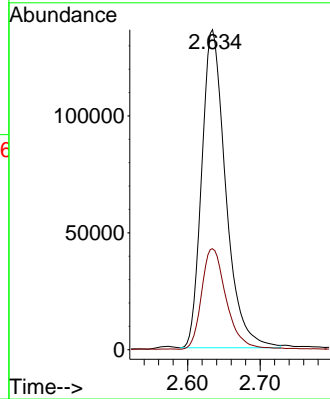
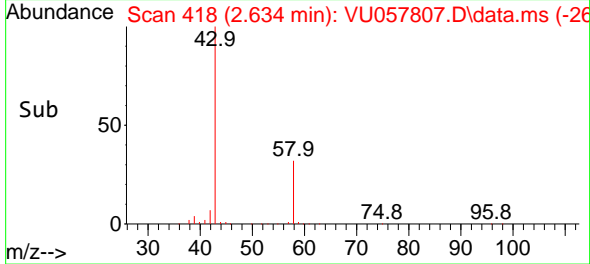
Tgt Ion: 43 Resp: 31252  
 Ion Ratio Lower Upper  
 43 100  
 58 31.6 29.0 43.4

Manual Integrations

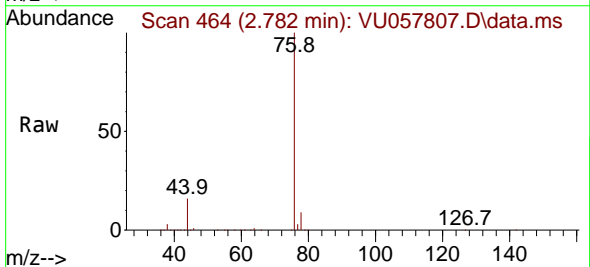
APPROVED

Reviewed By : John Carlone 02/14/2024

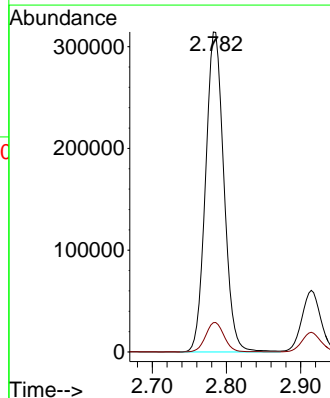
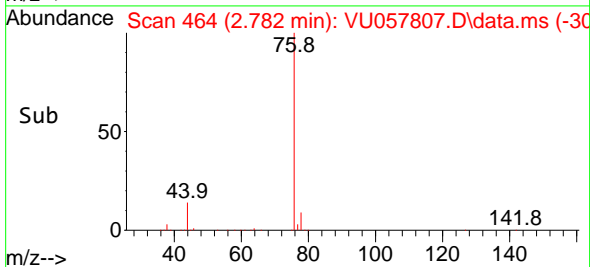
Supervised By : Mahesh Dadoda 02/14/2024

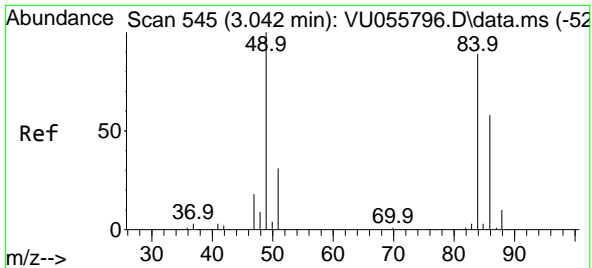


#14  
 Carbon Disulfide  
 Concen: 15.419 ug/l  
 RT: 2.782 min Scan# 464  
 Delta R.T. 0.010 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 76 Resp: 537158  
 Ion Ratio Lower Upper  
 76 100  
 78 9.1 7.4 11.0





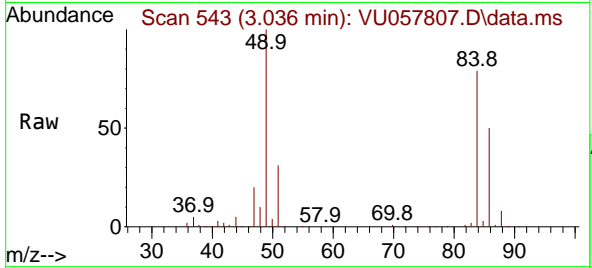
#15  
 Methylene Chloride  
 Concen: 14.850 ug/l  
 RT: 3.036 min Scan# 543  
 Delta R.T. 0.010 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015

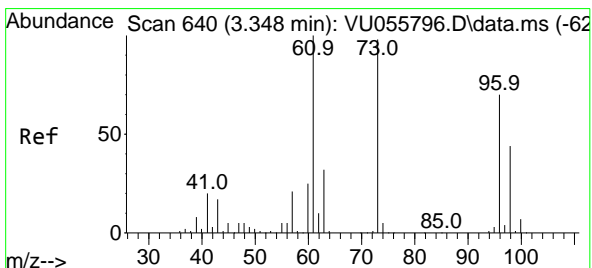
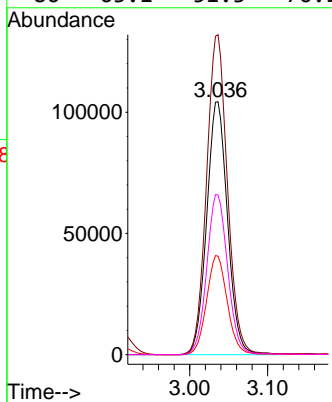
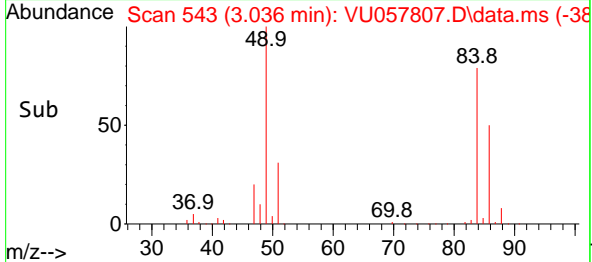


Tgt Ion: 84 Resp: 193724  
 Ion Ratio Lower Upper  
 84 100  
 49 126.5 98.9 148.3  
 51 38.9 0.0 75.4  
 86 63.1 51.3 76.9

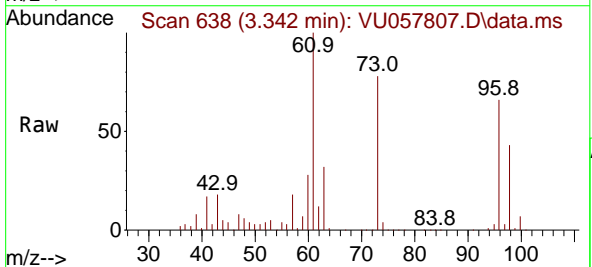
Manual Integrations

APPROVED

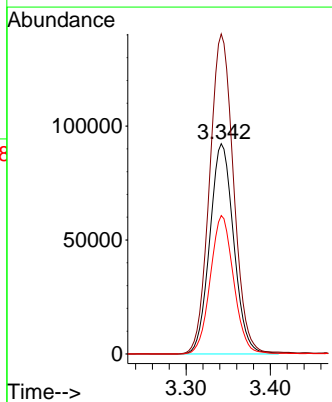
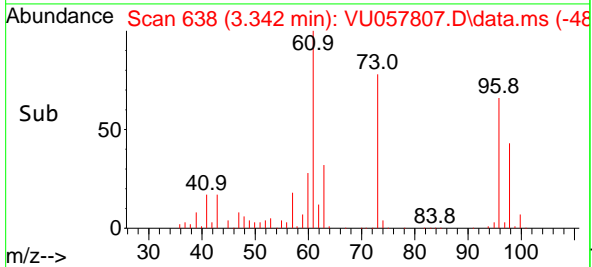
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

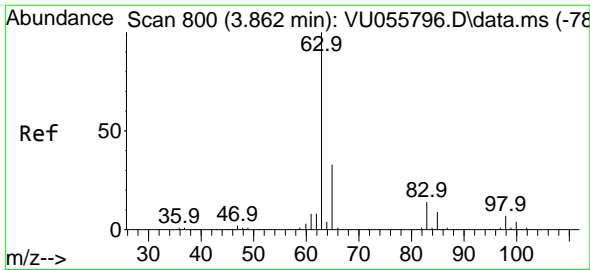


#16  
 trans-1,2-Dichloroethene  
 Concen: 15.367 ug/l  
 RT: 3.342 min Scan# 638  
 Delta R.T. 0.007 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 96 Resp: 182131  
 Ion Ratio Lower Upper  
 96 100  
 61 152.2 117.5 176.3  
 98 65.8 48.3 72.5





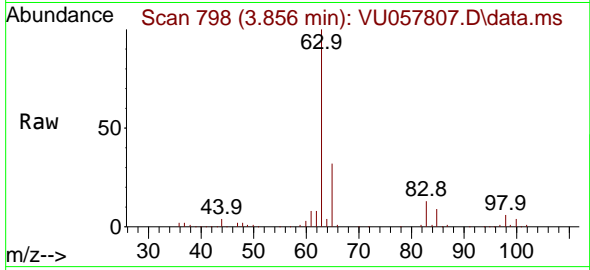
#17  
 1,1-Dichloroethane  
 Concen: 16.506 ug/l  
 RT: 3.856 min Scan# 71  
 Delta R.T. 0.007 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

Client Sample Id :

VSTDICC015



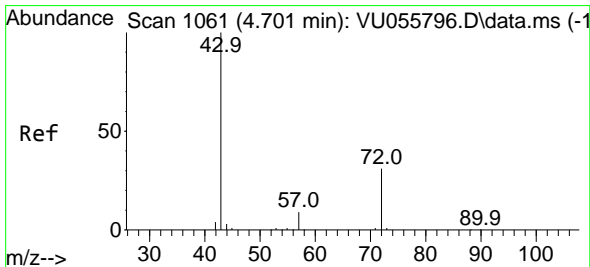
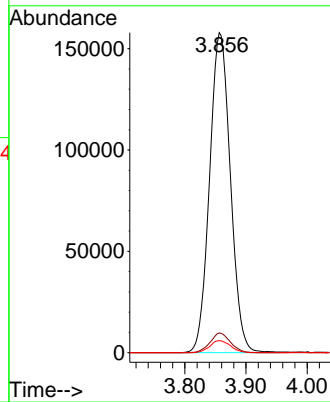
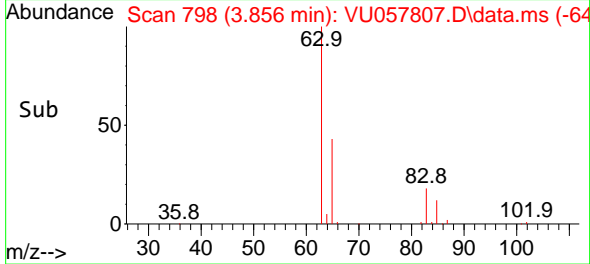
Tgt Ion: 63 Resp: 37363  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.4 10.1  
 100 3.8 2.2 6.6

Manual Integrations

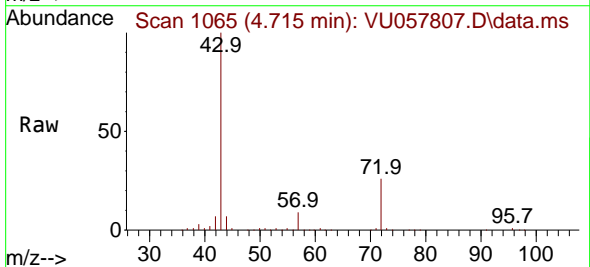
APPROVED

Reviewed By :John Carlone 02/14/2024

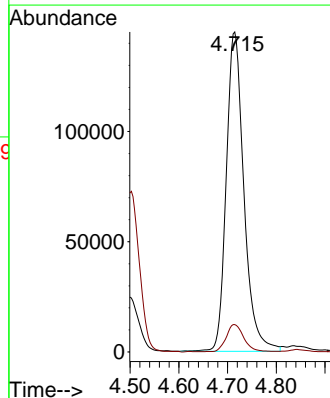
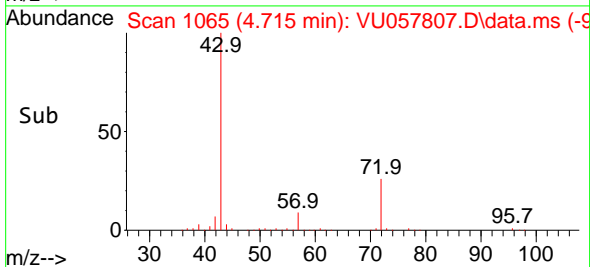
Supervised By :Mahesh Dadoda 02/14/2024

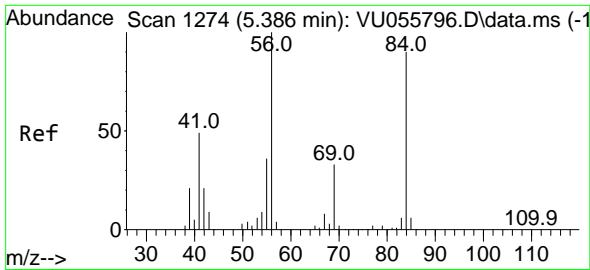


#18  
 2-Butanone  
 Concen: 99.789 ug/l  
 RT: 4.715 min Scan# 1065  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



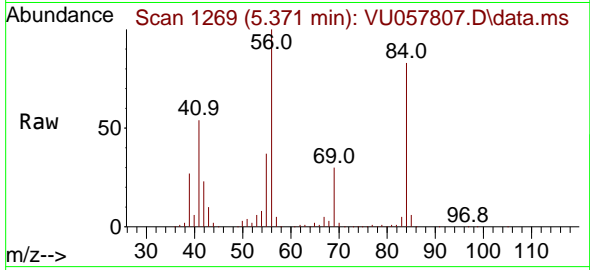
Tgt Ion: 43 Resp: 364795  
 Ion Ratio Lower Upper  
 43 100  
 57 8.5 0.0 19.6





#19  
 Cyclohexane  
 Concen: 16.395 ug/l  
 RT: 5.371 min Scan# 1699  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

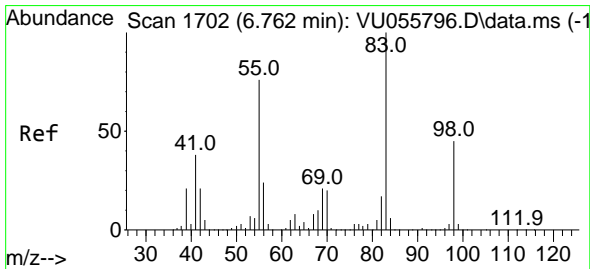
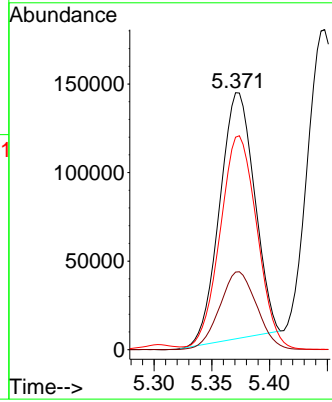
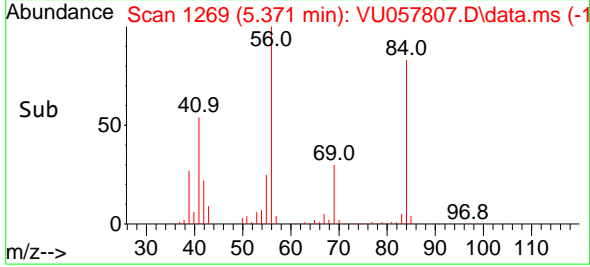
Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015



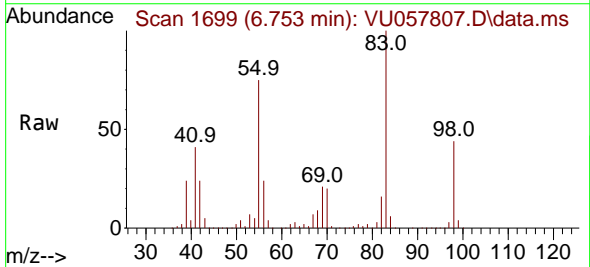
Tgt Ion: 56 Resp: 291924  
 Ion Ratio Lower Upper  
 56 100  
 69 33.9 24.6 37.0  
 84 90.7 68.4 102.6

Manual Integrations  
 APPROVED

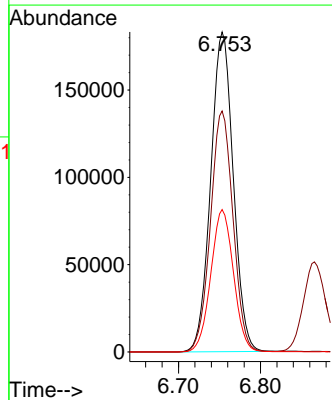
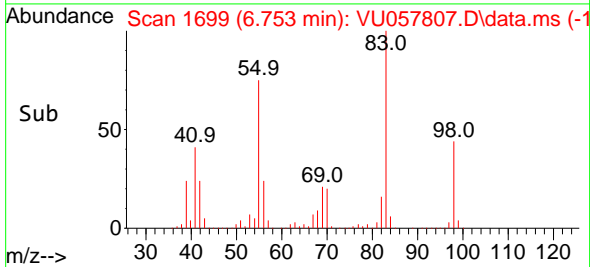
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

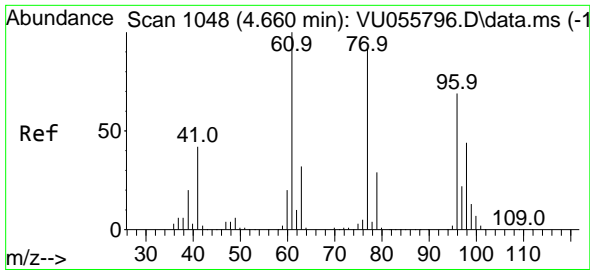


#20  
 Methylcyclohexane  
 Concen: 16.451 ug/l  
 RT: 6.753 min Scan# 1699  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 83 Resp: 350024  
 Ion Ratio Lower Upper  
 83 100  
 55 75.1 63.5 95.3  
 98 44.7 36.0 54.0





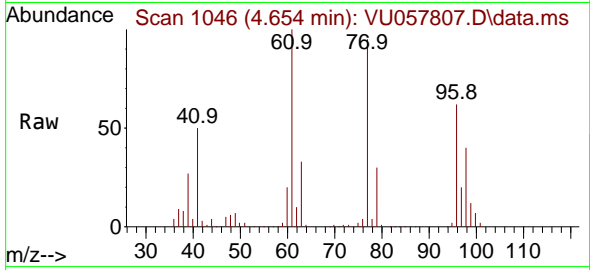
#21  
 2,2-Dichloropropane  
 Concen: 16.638 ug/l  
 RT: 4.654 min Scan# 1046  
 Delta R.T. 0.007 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



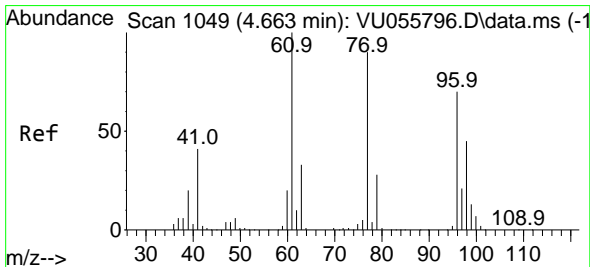
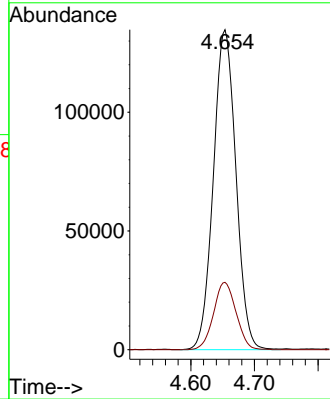
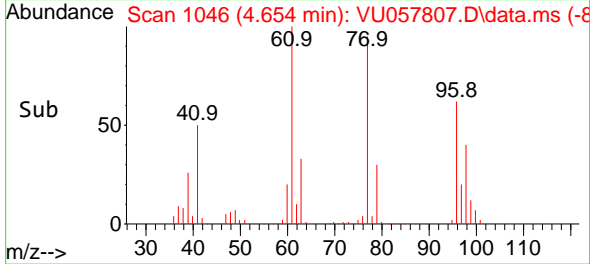
Tgt Ion: 77 Resp: 33204  
 Ion Ratio Lower Upper  
 77 100  
 97 21.0 18.4 27.6

Manual Integrations

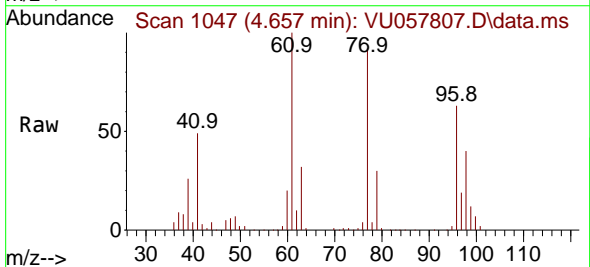
APPROVED

Reviewed By :John Carlone 02/14/2024

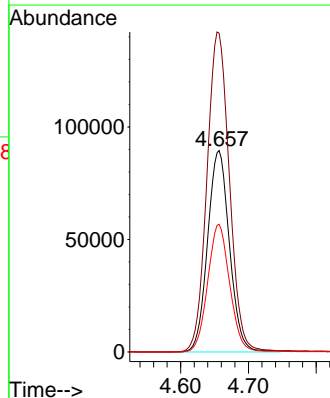
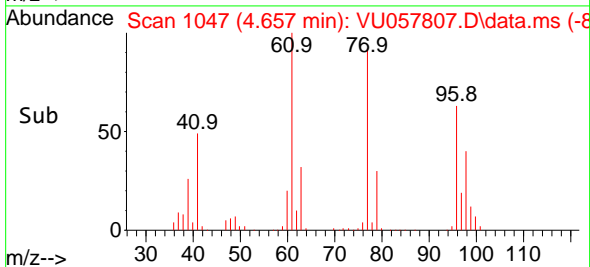
Supervised By :Mahesh Dadoda 02/14/2024

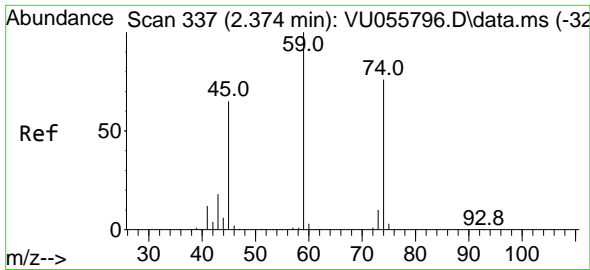


#22  
 cis-1,2-Dichloroethene  
 Concen: 15.508 ug/l  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.007 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



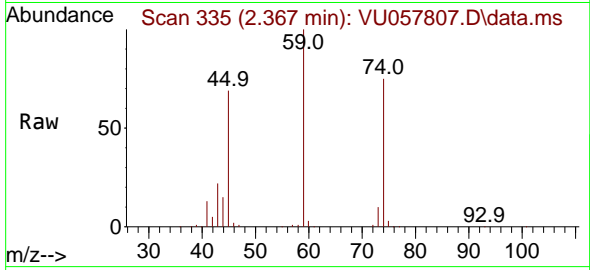
Tgt Ion: 96 Resp: 200643  
 Ion Ratio Lower Upper  
 96 100  
 61 162.9 0.0 365.8  
 98 63.6 32.0 96.0





#23  
 Diethyl Ether  
 Concen: 16.043 ug/l  
 RT: 2.367 min Scan# 31  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

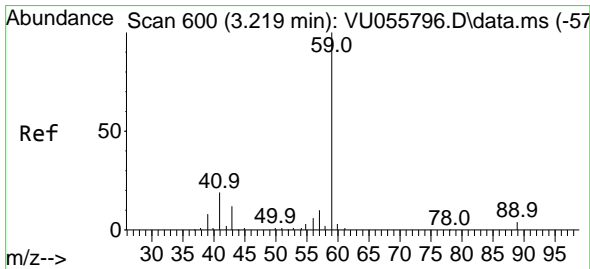
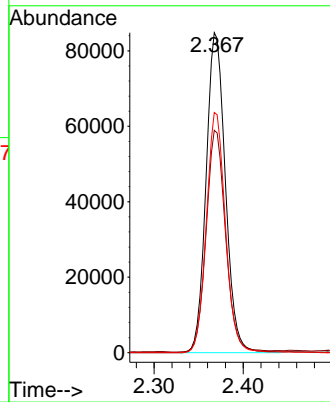
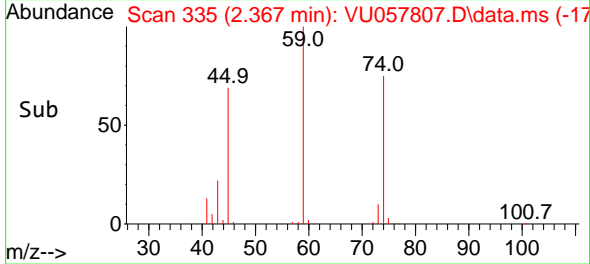
Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015



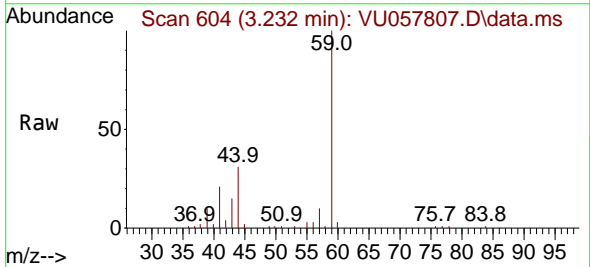
Tgt Ion: 59 Resp: 12736  
 Ion Ratio Lower Upper  
 59 100  
 45 69.9 56.1 84.1  
 74 74.4 57.4 86.2

Manual Integrations  
 APPROVED

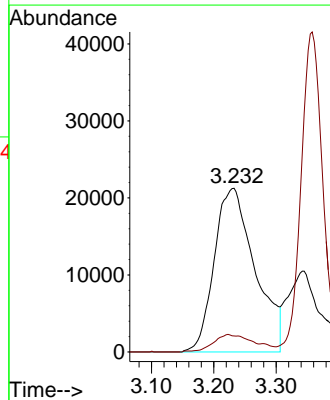
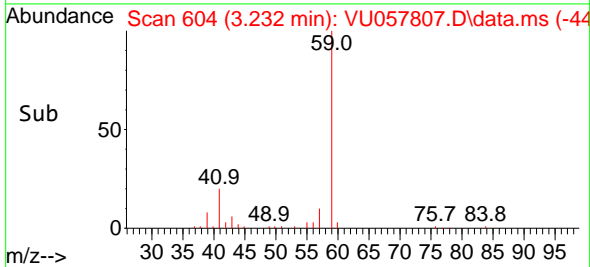
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

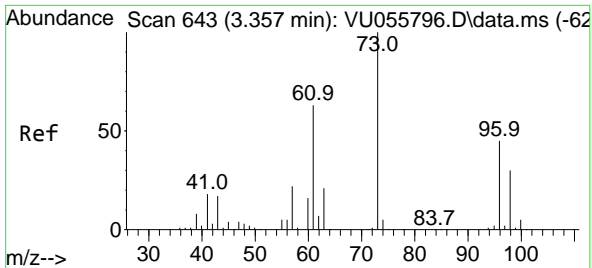


#24  
 tert-Butyl Alcohol  
 Concen: 118.971 ug/l  
 RT: 3.232 min Scan# 604  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 59 Resp: 96695  
 Ion Ratio Lower Upper  
 59 100  
 57 9.5 105.6 158.4#





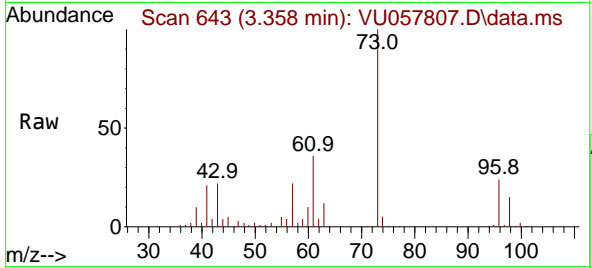
#25  
 Methyl tert-Butyl Ether  
 Concen: 16.752 ug/l  
 RT: 3.358 min Scan# 643  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



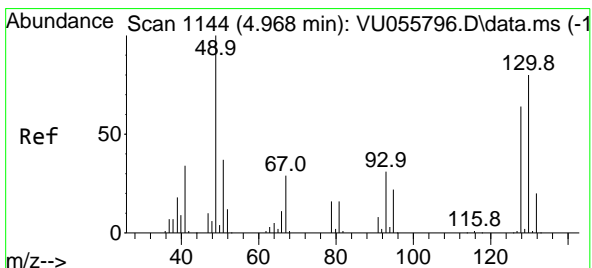
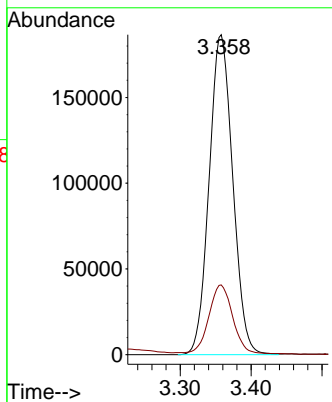
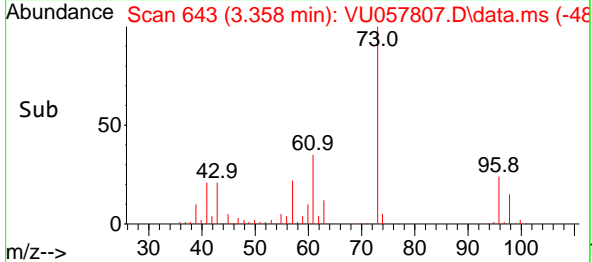
Tgt Ion: 73 Resp: 43220  
 Ion Ratio Lower Upper  
 73 100  
 43 21.4 15.0 22.6

Manual Integrations

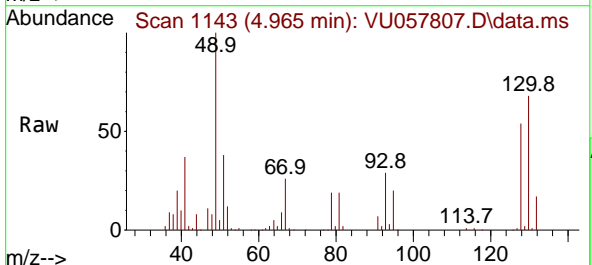
APPROVED

Reviewed By :John Carlone 02/14/2024

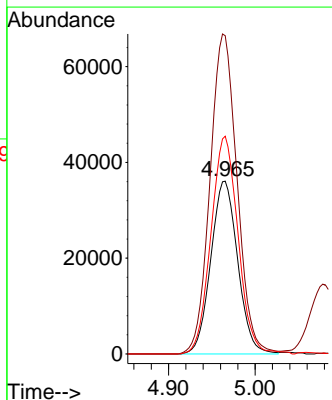
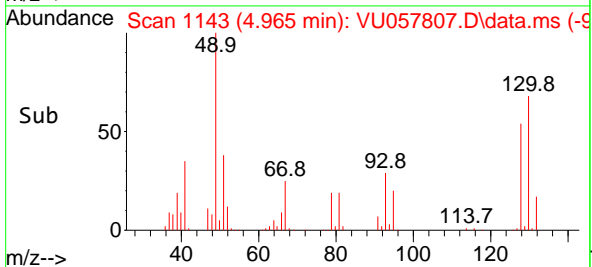
Supervised By :Mahesh Dadoda 02/14/2024



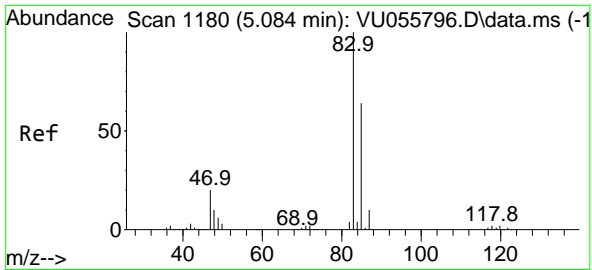
#26  
 Bromochloromethane  
 Concen: 14.977 ug/l  
 RT: 4.965 min Scan# 1143  
 Delta R.T. 0.007 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:128 Resp: 77835  
 Ion Ratio Lower Upper  
 128 100  
 49 186.2 0.0 324.6  
 130 127.2 103.0 154.4

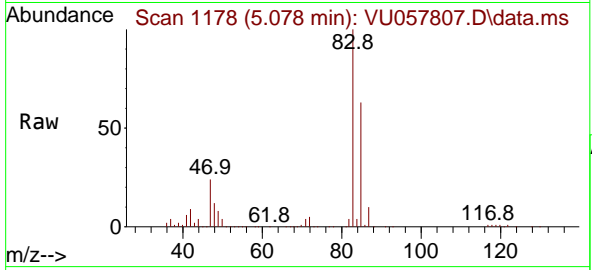






#27  
 Chloroform  
 Concen: 15.798 ug/l  
 RT: 5.078 min Scan# 1180  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

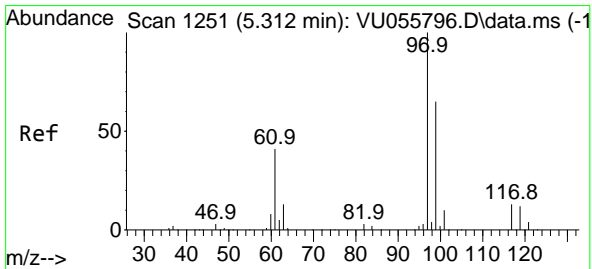
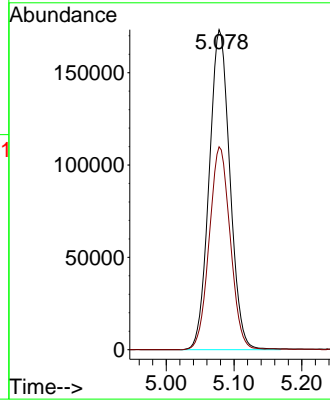
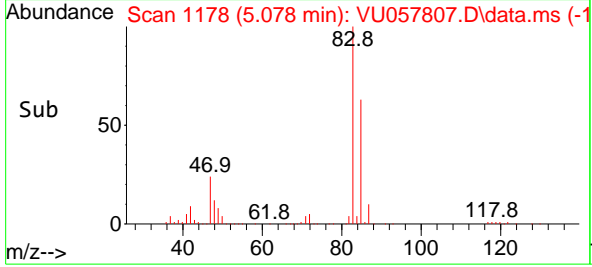
Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015



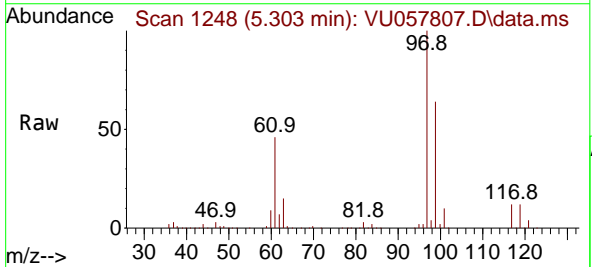
Tgt Ion: 83 Resp: 36881  
 Ion Ratio Lower Upper  
 83 100  
 85 63.4 0.0 126.4

Manual Integrations  
**APPROVED**

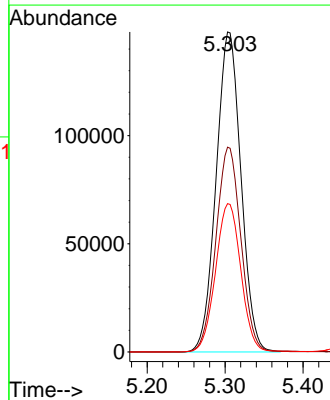
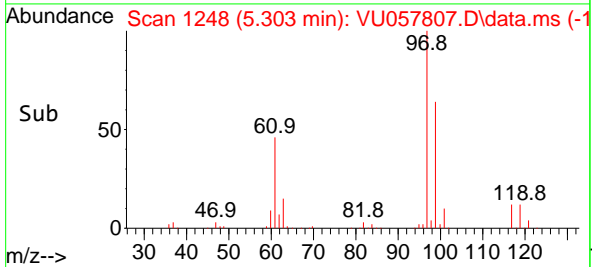
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

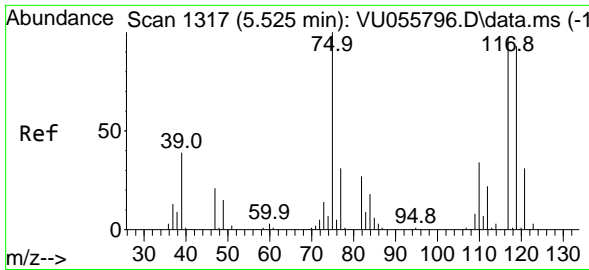


#28  
 1,1,1-Trichloroethane  
 Concen: 15.643 ug/l  
 RT: 5.303 min Scan# 1248  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



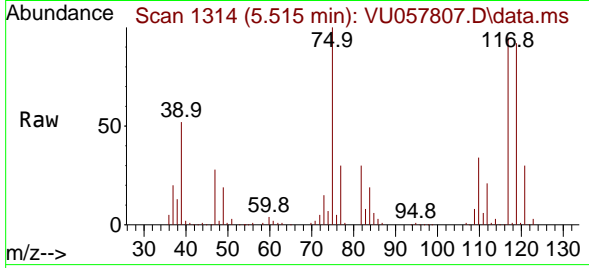
Tgt Ion: 97 Resp: 328474  
 Ion Ratio Lower Upper  
 97 100  
 99 64.5 32.0 96.2  
 61 47.4 22.9 68.5





#29  
 1,1-Dichloropropene  
 Concen: 16.147 ug/l  
 RT: 5.515 min Scan# 1111  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

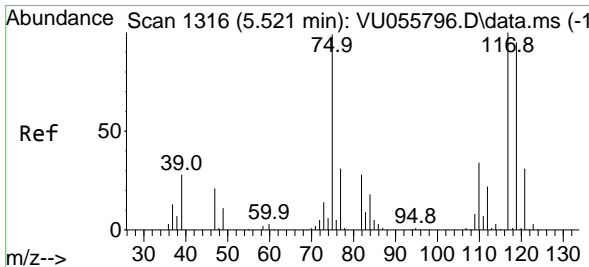
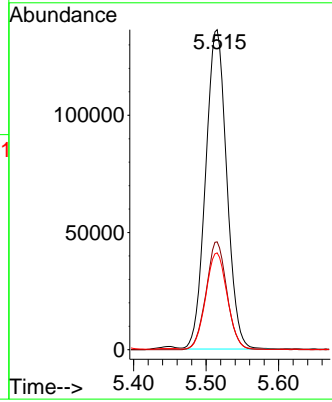
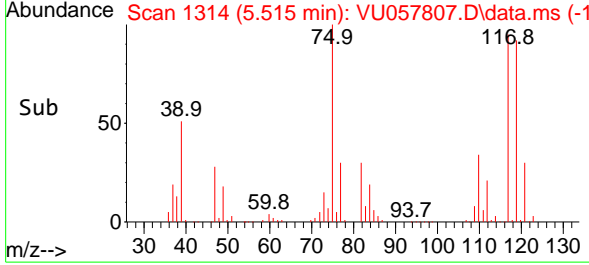
Instrument : MSVOA\_U  
 Client Sample Id : VSTDIC015



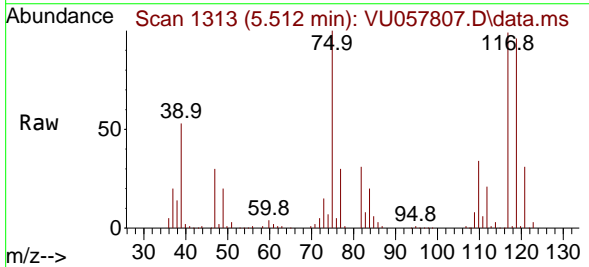
Tgt Ion: 75 Resp: 275560  
 Ion Ratio Lower Upper  
 75 100  
 110 33.4 18.0 54.0  
 77 30.8 24.7 37.1

Manual Integrations  
**APPROVED**

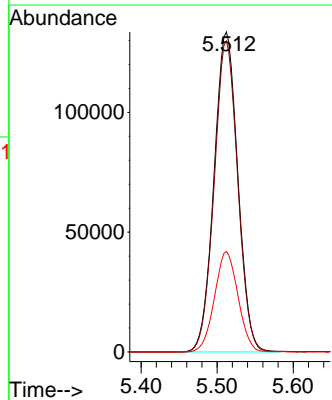
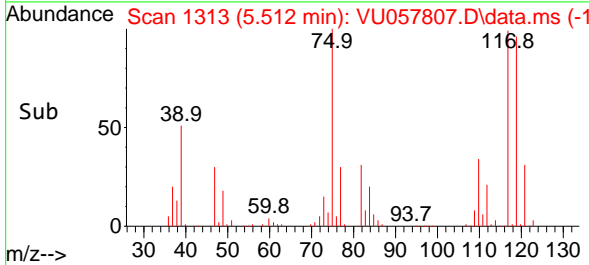
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

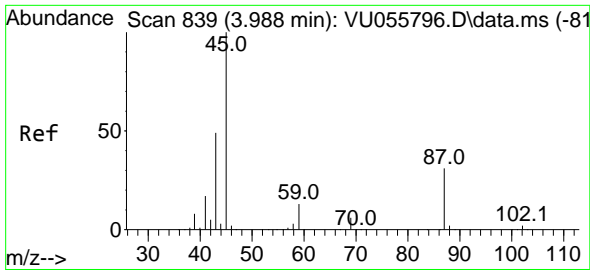


#30  
 Carbon Tetrachloride  
 Concen: 15.996 ug/l  
 RT: 5.512 min Scan# 1313  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:117 Resp: 290202  
 Ion Ratio Lower Upper  
 117 100  
 119 97.2 77.4 116.0  
 121 31.4 24.0 36.0





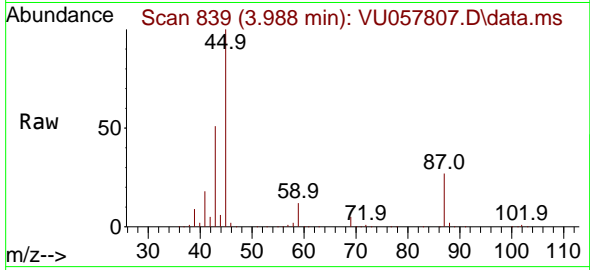
#31  
 Isopropyl Ether  
 Concen: 17.243 ug/l  
 RT: 3.988 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015



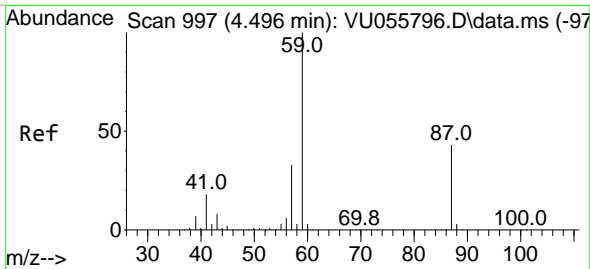
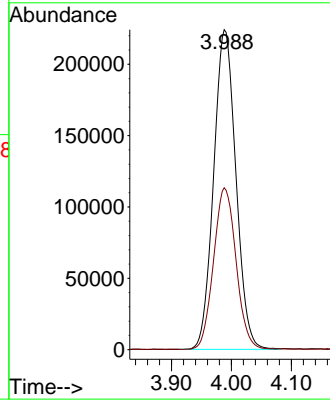
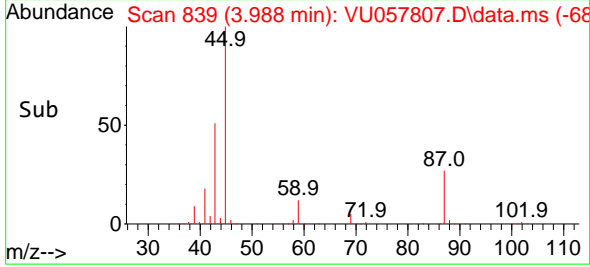
Tgt Ion: 45 Resp: 576709  
 Ion Ratio Lower Upper  
 45 100  
 43 51.1 27.5 82.5

Manual Integrations

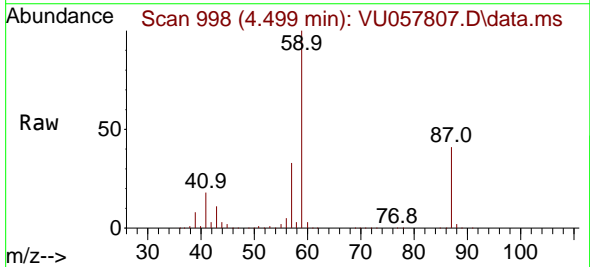
APPROVED

Reviewed By :John Carlone 02/14/2024

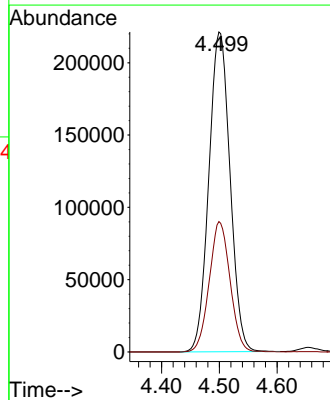
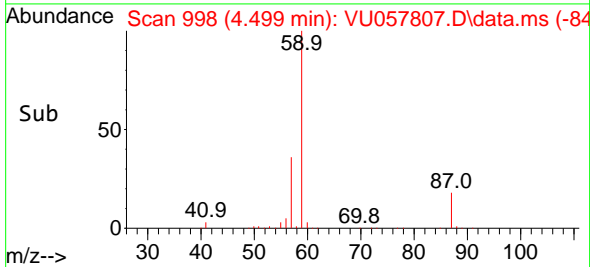
Supervised By :Mahesh Dadoda 02/14/2024

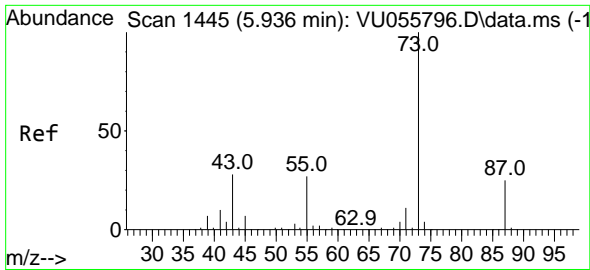


#32  
 Ethyl-t-butyl ether  
 Concen: 18.128 ug/l  
 RT: 4.499 min Scan# 998  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



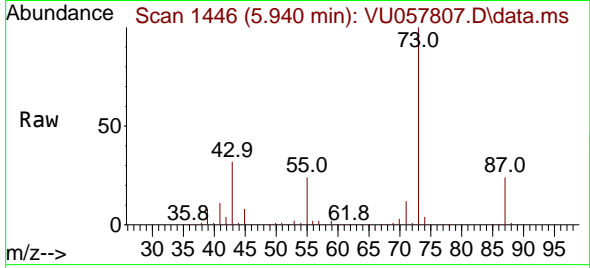
Tgt Ion: 59 Resp: 562908  
 Ion Ratio Lower Upper  
 59 100  
 87 40.2 33.5 50.3





#33  
 Tert-Amyl methyl ether  
 Concen: 18.186 ug/l  
 RT: 5.940 min Scan# 1445  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

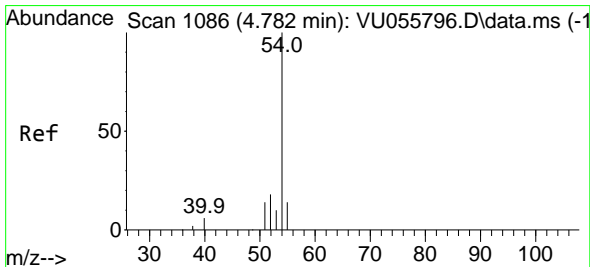
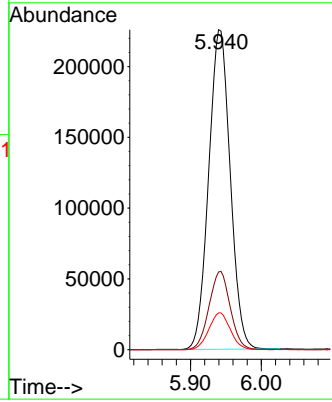
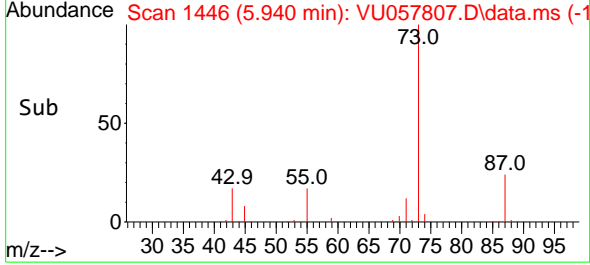
Instrument : MSVOA\_U  
 Client Sample Id : VSTDIC015



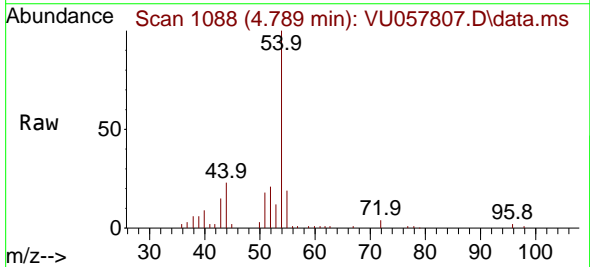
Tgt Ion: 73 Resp: 47607  
 Ion Ratio Lower Upper  
 73 100  
 87 24.1 18.6 28.0  
 71 11.5 9.9 14.9

Manual Integrations  
 APPROVED

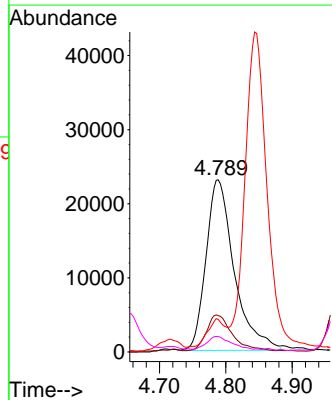
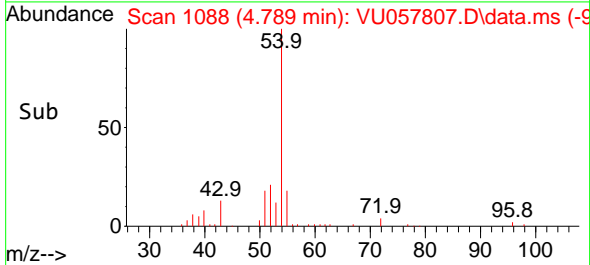
Reviewed By : John Carlone 02/14/2024  
 Supervised By : Mahesh Dadoda 02/14/2024

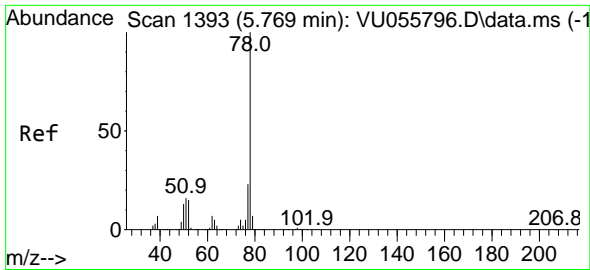


#34  
 Propionitrile  
 Concen: 90.062 ug/l  
 RT: 4.789 min Scan# 1088  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 54 Resp: 68006  
 Ion Ratio Lower Upper  
 54 100  
 52 19.4 17.4 26.0  
 55 12.6 104.1 156.1#  
 40 6.3 2.4 3.6#





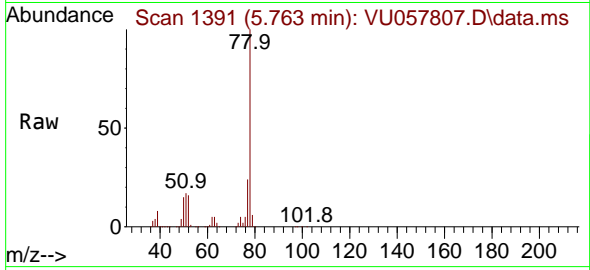
#35  
Benzene  
Concen: 15.887 ug/l  
RT: 5.763 min Scan# 1391  
Delta R.T. 0.004 min  
Lab File: VU057807.D  
Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

Client Sample Id :

VSTDIC015



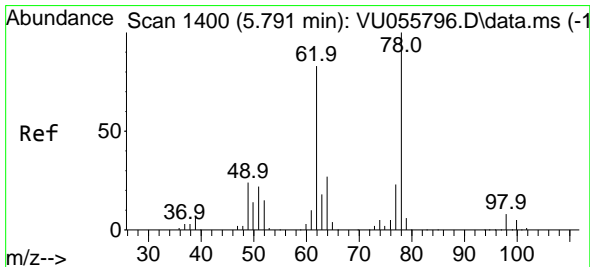
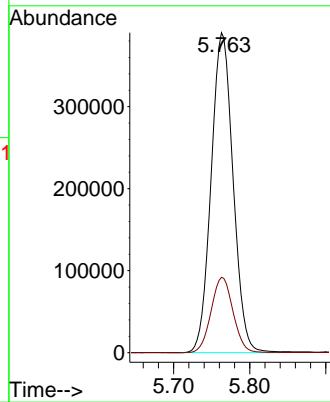
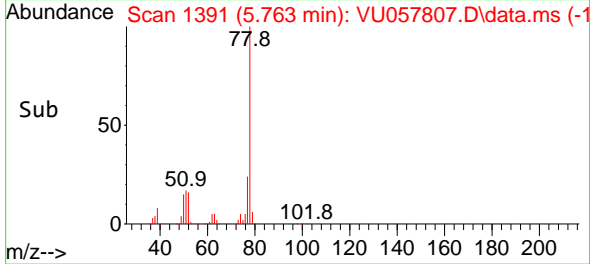
Tgt Ion: 78 Resp: 78206  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.9 28.3

Manual Integrations

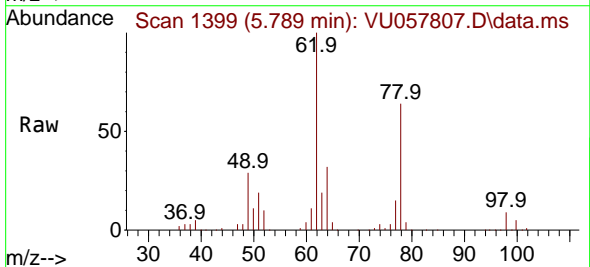
APPROVED

Reviewed By :John Carlone 02/14/2024

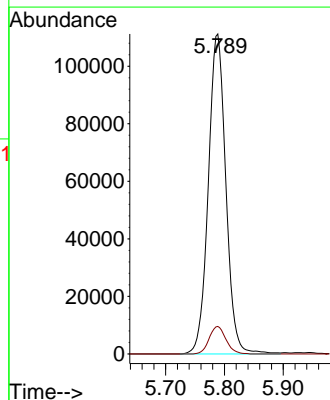
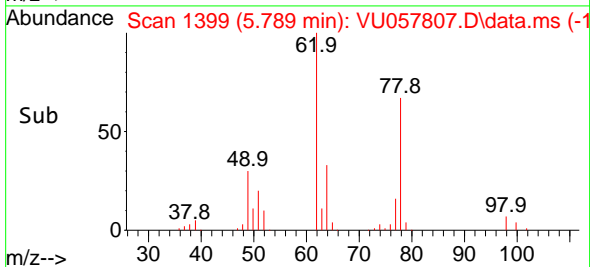
Supervised By :Mahesh Dadoda 02/14/2024

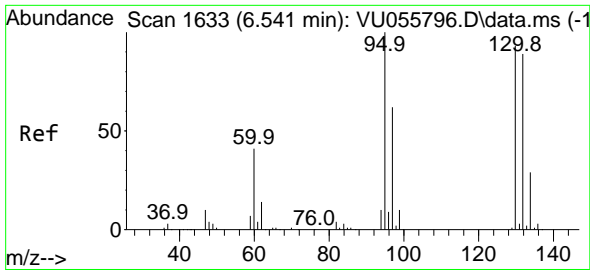


#36  
1,2-Dichloroethane  
Concen: 16.054 ug/l  
RT: 5.789 min Scan# 1399  
Delta R.T. 0.004 min  
Lab File: VU057807.D  
Acq: 05 Feb 2024 14:30



Tgt Ion: 62 Resp: 230747  
Ion Ratio Lower Upper  
62 100  
98 8.2 7.3 10.9





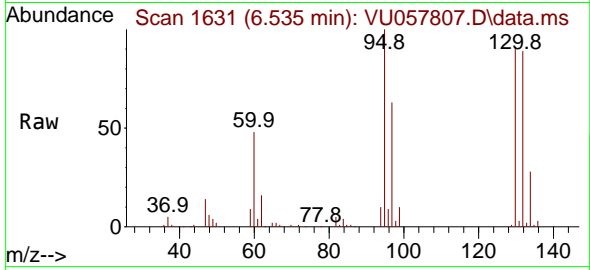
#37  
 Trichloroethene  
 Concen: 15.551 ug/l  
 RT: 6.535 min Scan# 10  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015



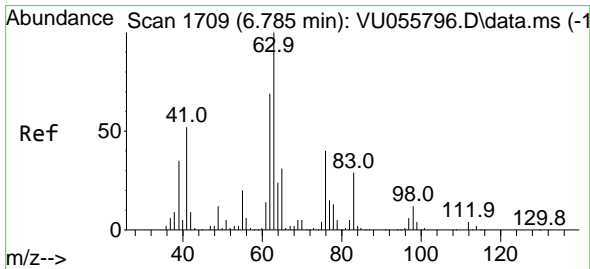
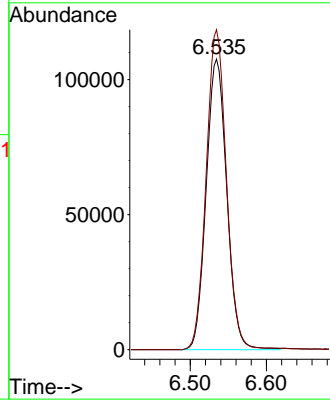
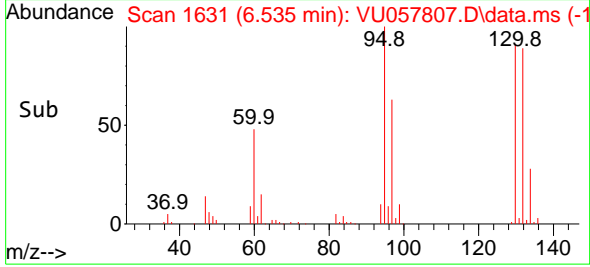
Tgt Ion:130 Resp: 202248  
 Ion Ratio Lower Upper  
 130 100  
 95 110.1 85.0 127.6

Manual Integrations

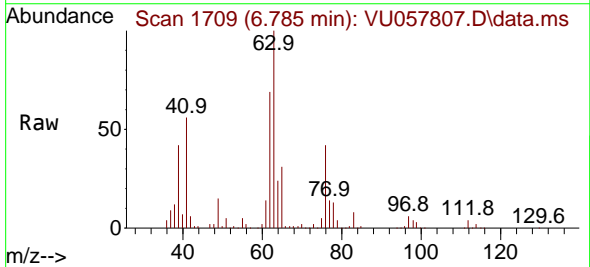
APPROVED

Reviewed By :John Carlone 02/14/2024

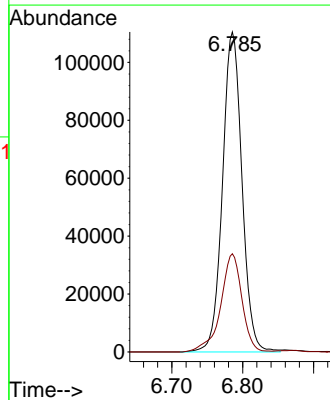
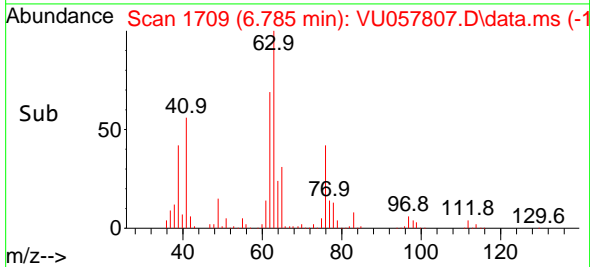
Supervised By :Mahesh Dadoda 02/14/2024

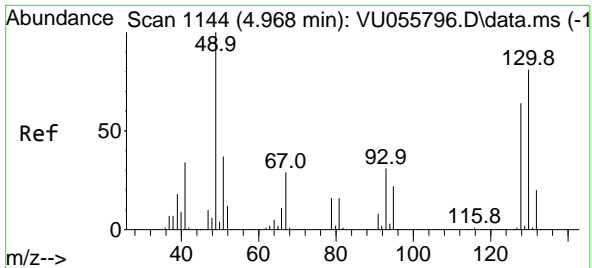


#38  
 1,2-Dichloropropane  
 Concen: 16.450 ug/l  
 RT: 6.785 min Scan# 1709  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



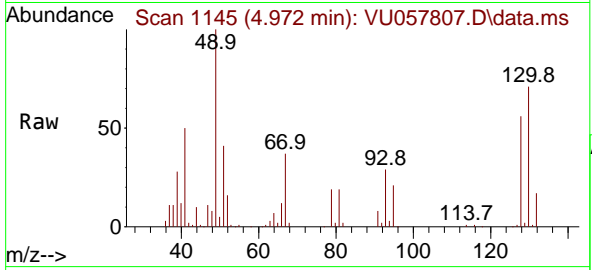
Tgt Ion: 63 Resp: 211129  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.9 37.3





#39  
 Methacrylonitrile  
 Concen: 19.591 ug/l  
 RT: 4.972 min Scan# 1145  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

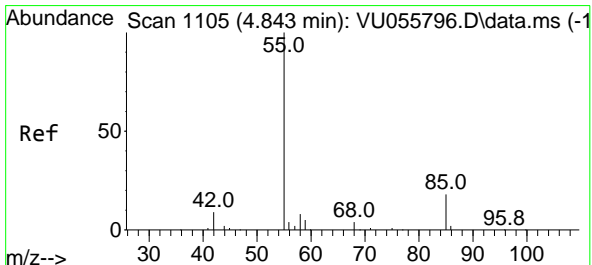
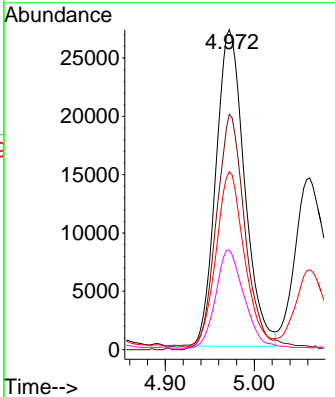
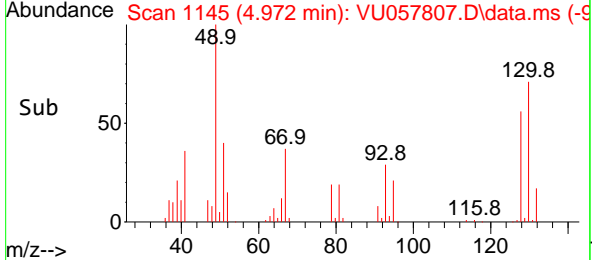
Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015



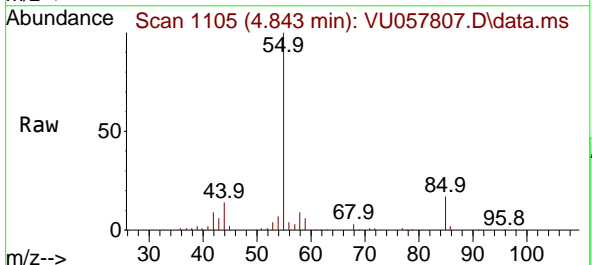
Tgt Ion: 41 Resp: 60554

Ion	Ratio	Lower	Upper
41	100		
67	76.1	66.8	100.2
39	55.1	41.2	61.8
52	31.0	25.1	37.7

Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

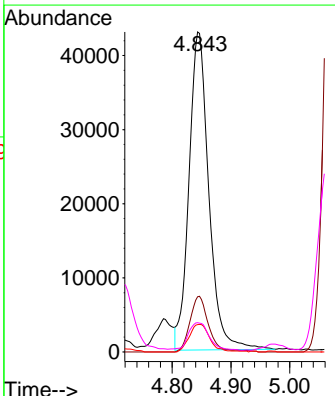
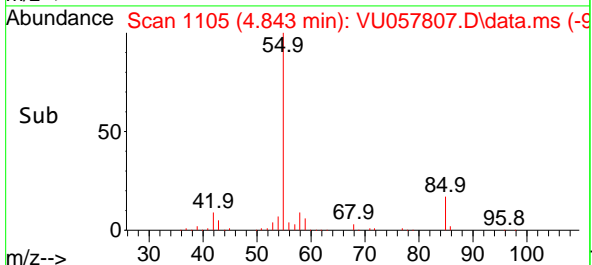


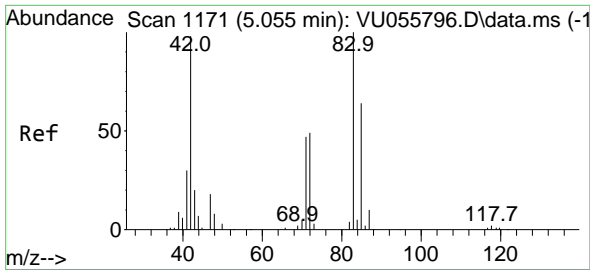
#40  
 Methyl acrylate  
 Concen: 21.802 ug/l  
 RT: 4.843 min Scan# 1105  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 55 Resp: 100745

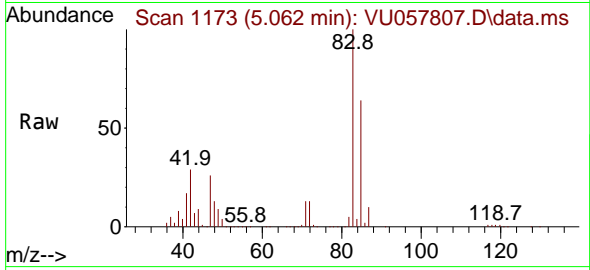
Ion	Ratio	Lower	Upper
55	100		
85	16.1	13.3	19.9
58	8.8	6.5	9.7
42	9.0	5.9	8.9





#41  
 Tetrahydrofuran  
 Concen: 35.672 ug/l  
 RT: 5.062 min Scan# 1171  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

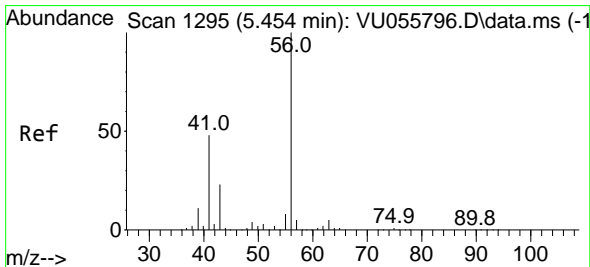
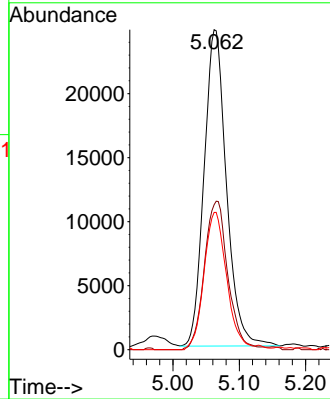
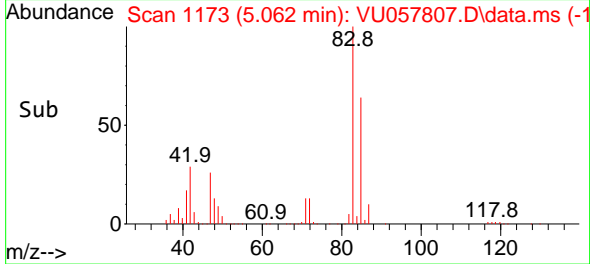
Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015



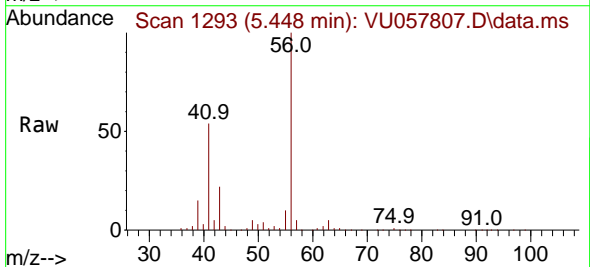
Tgt Ion: 42 Resp: 5796  
 Ion Ratio Lower Upper  
 42 100  
 72 49.5 40.9 61.3  
 71 43.9 36.9 55.3

Manual Integrations  
 APPROVED

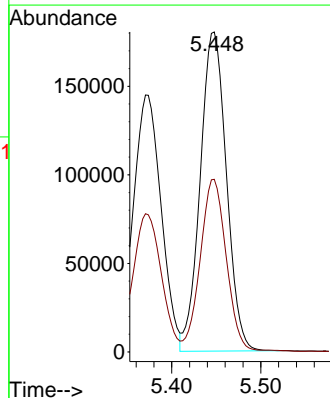
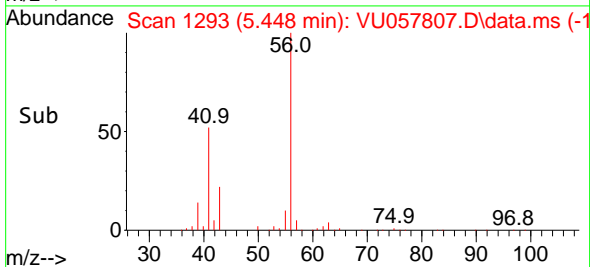
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024



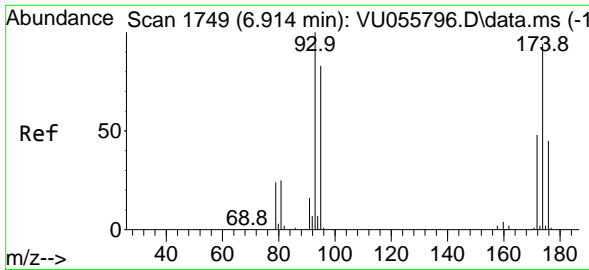
#42  
 1-Chlorobutane  
 Concen: 16.326 ug/l  
 RT: 5.448 min Scan# 1293  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 56 Resp: 368058  
 Ion Ratio Lower Upper  
 56 100  
 41 53.8 25.2 75.6







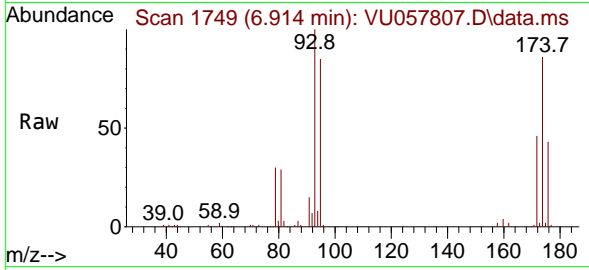
#43  
 Dibromomethane  
 Concen: 16.553 ug/l  
 RT: 6.914 min Scan# 1749  
 Delta R.T. 0.004 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



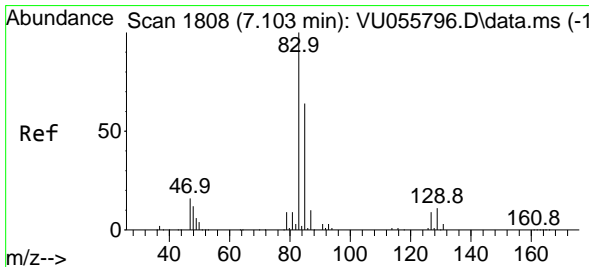
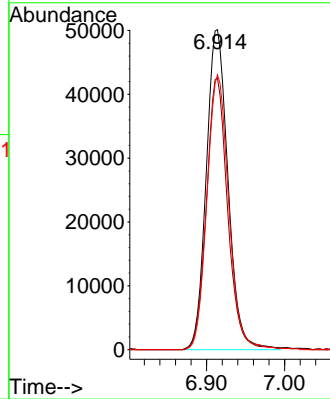
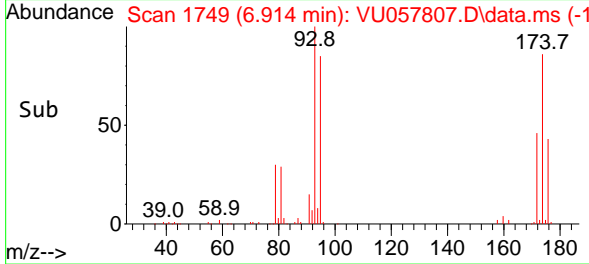
Tgt Ion: 93 Resp: 9724  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 67.0 100.6  
 174 85.9 73.8 110.6

Manual Integrations

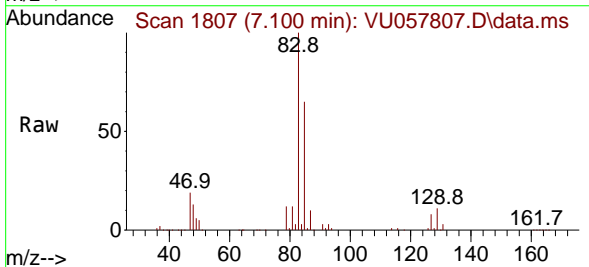
APPROVED

Reviewed By :John Carlone 02/14/2024

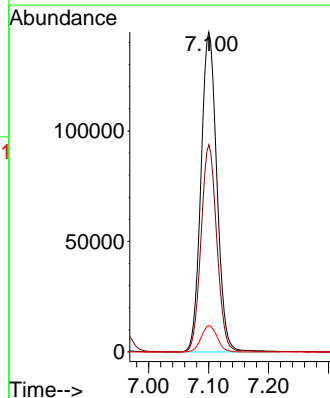
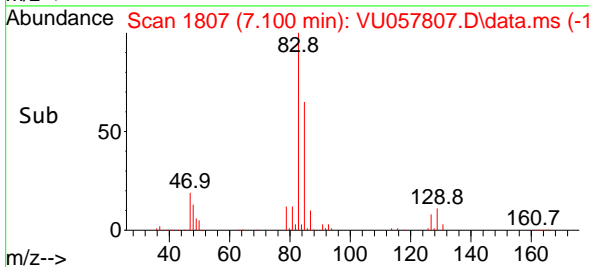
Supervised By :Mahesh Dadoda 02/14/2024

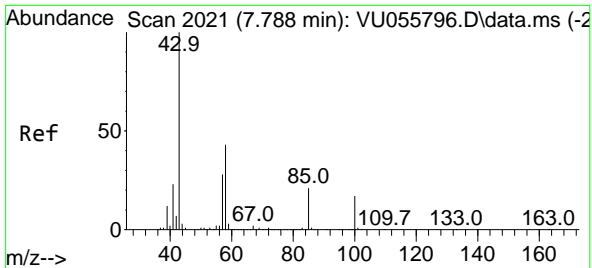


#44  
 Bromodichloromethane  
 Concen: 16.296 ug/l  
 RT: 7.100 min Scan# 1807  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 83 Resp: 267855  
 Ion Ratio Lower Upper  
 83 100  
 85 64.8 51.9 77.9  
 127 8.3 6.7 10.1





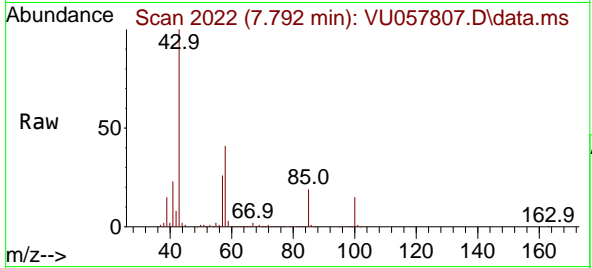
#45  
 4-Methyl-2-Pentanone  
 Concen: 91.254 ug/l  
 RT: 7.792 min Scan# 2021  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015



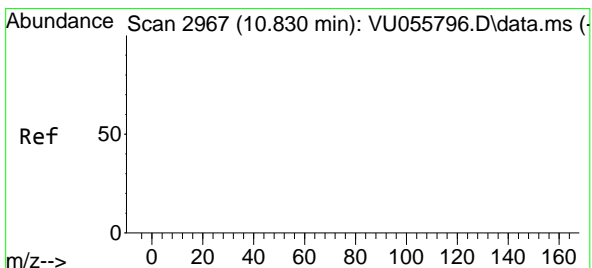
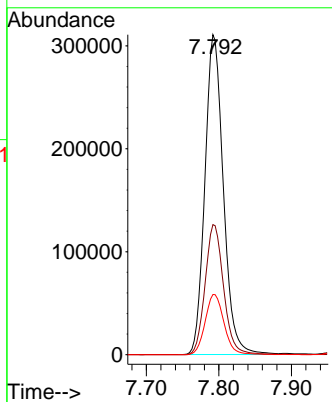
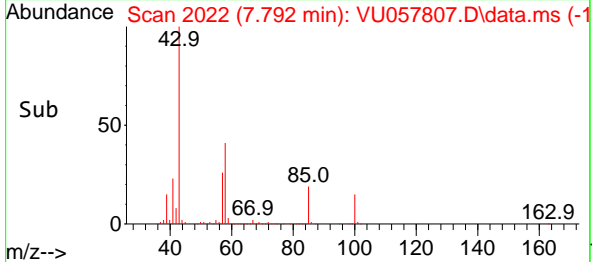
Tgt Ion: 43 Resp: 54985  
 Ion Ratio Lower Upper  
 43 100  
 58 40.9 20.9 62.8  
 85 19.2 14.6 21.8

Manual Integrations

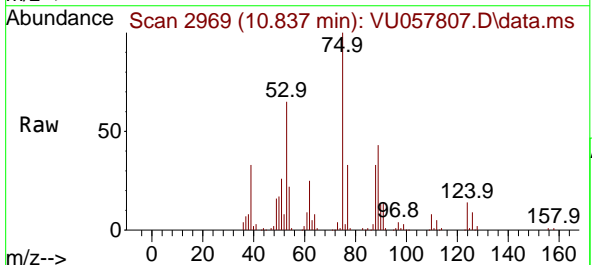
APPROVED

Reviewed By :John Carlone 02/14/2024

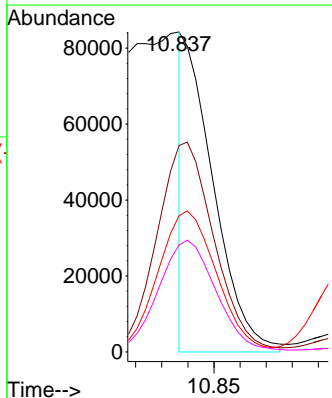
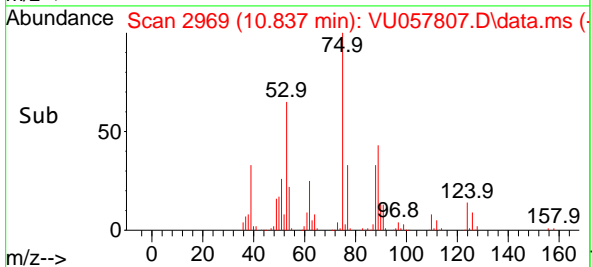
Supervised By :Mahesh Dadoda 02/14/2024

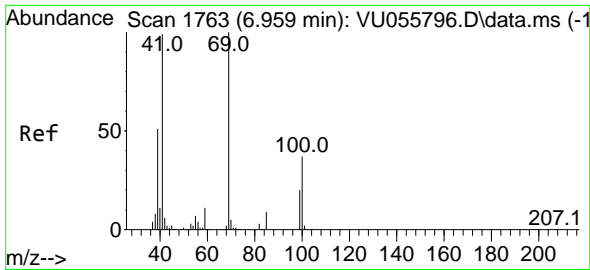


#46  
 t-1,4-Dichloro-2-butene  
 Concen: 39.274 ug/l m  
 RT: 10.837 min Scan# 2969  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 75 Resp: 66679  
 Ion Ratio Lower Upper  
 75 100  
 53 126.9 73.3 109.9#  
 89 87.7 48.2 72.4#  
 88 68.5 36.4 54.6#





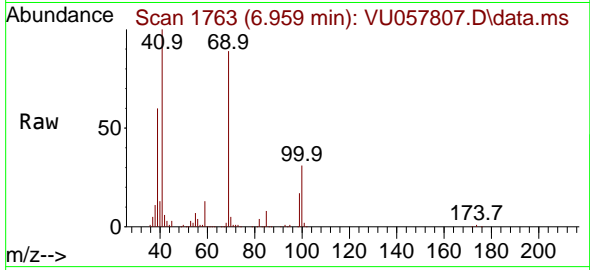
#47  
 Methyl methacrylate  
 Concen: 35.258 ug/l  
 RT: 6.959 min Scan# 1763  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



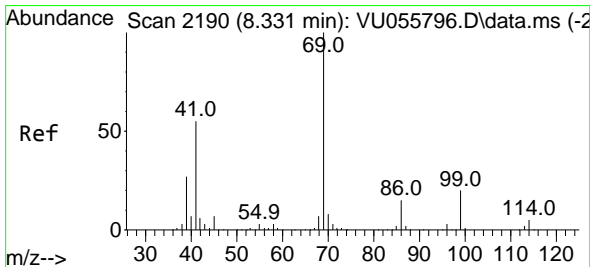
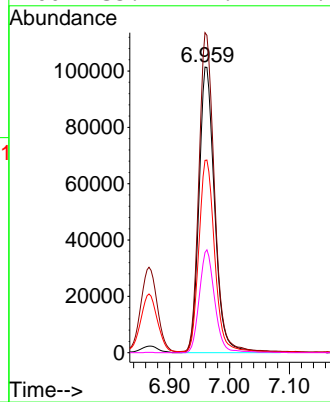
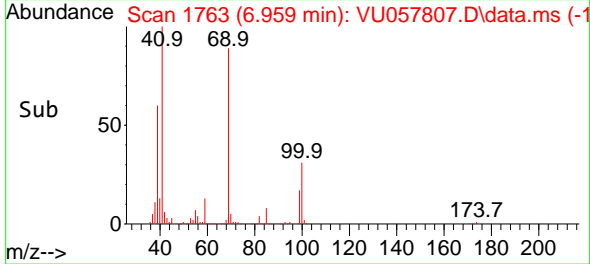
Tgt Ion: 69 Resp: 18420  
 Ion Ratio Lower Upper  
 69 100  
 41 110.4 0.0 209.2  
 39 66.9 46.7 70.1  
 100 35.4 27.4 41.2

Manual Integrations

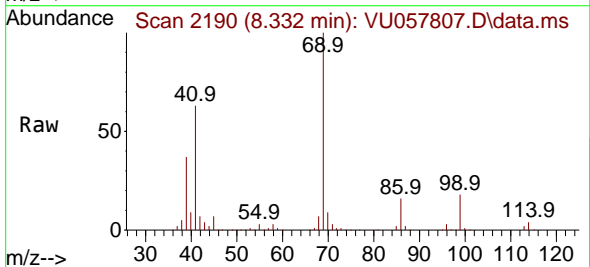
APPROVED

Reviewed By :John Carlone 02/14/2024

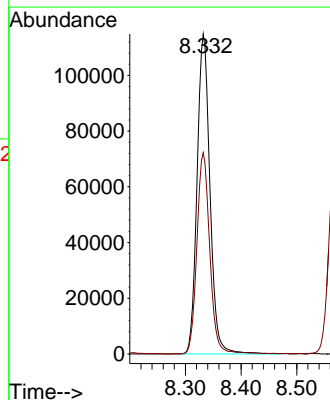
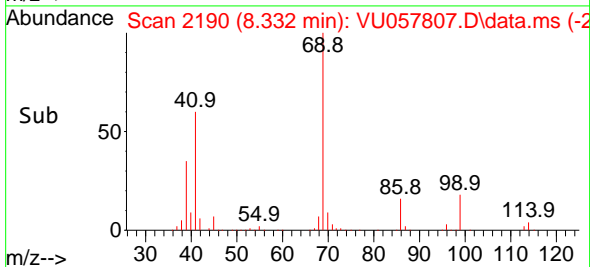
Supervised By :Mahesh Dadoda 02/14/2024

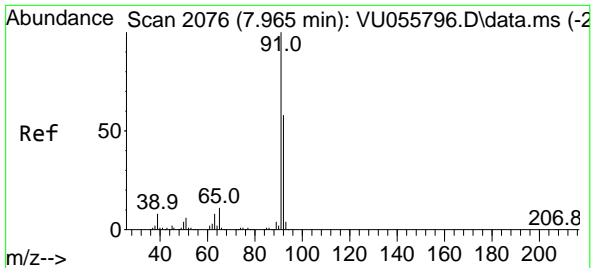


#48  
 Ethyl methacrylate  
 Concen: 17.742 ug/l  
 RT: 8.332 min Scan# 2190  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



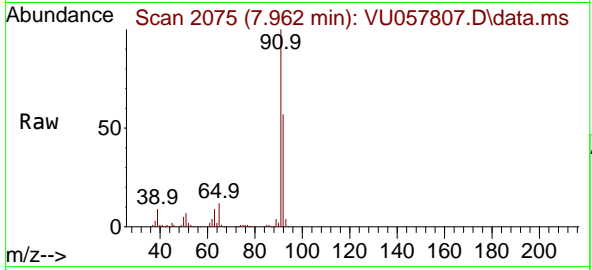
Tgt Ion: 69 Resp: 184385  
 Ion Ratio Lower Upper  
 69 100  
 41 63.1 30.3 90.8





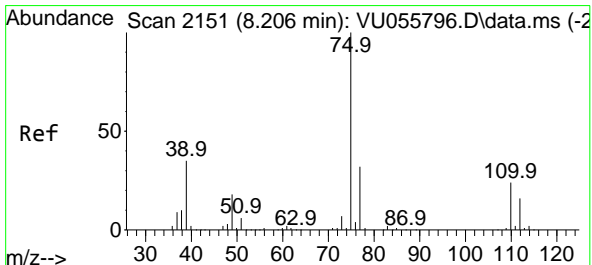
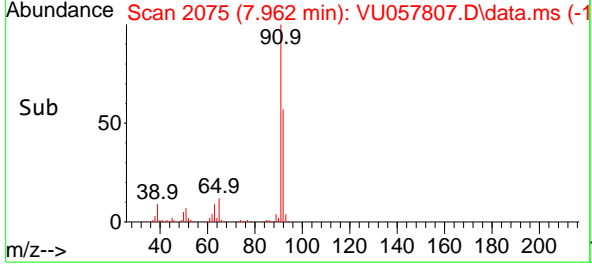
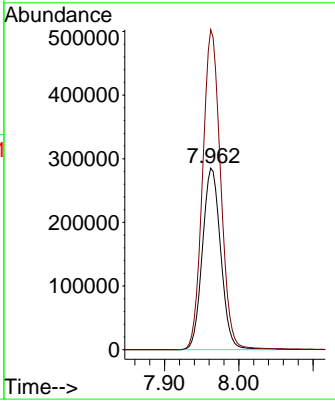
#49  
 Toluene  
 Concen: 16.244 ug/l  
 RT: 7.962 min Scan# 2075  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 Client Sample Id : VSTDIC015



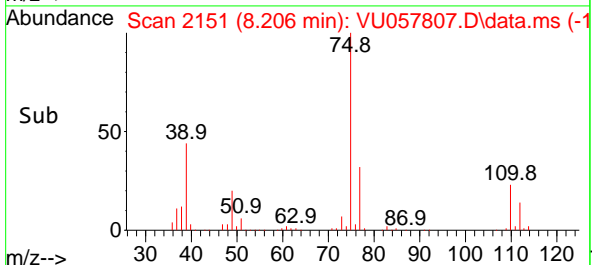
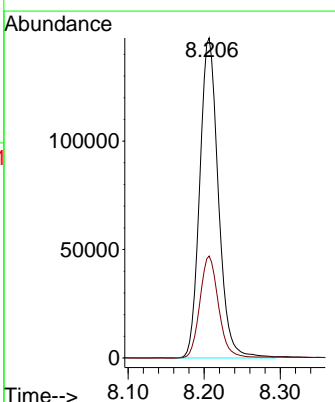
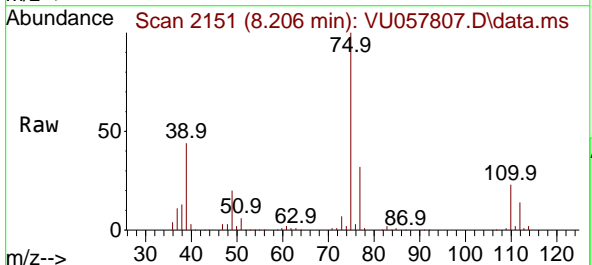
Tgt Ion: 92 Resp: 488040  
 Ion Ratio Lower Upper  
 92 100  
 91 174.4 143.0 214.6

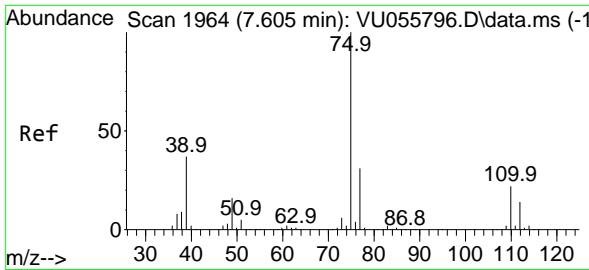
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024



#50  
 t-1,3-Dichloropropene  
 Concen: 17.562 ug/l  
 RT: 8.206 min Scan# 2151  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Tgt Ion: 75 Resp: 250604  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.3 37.9





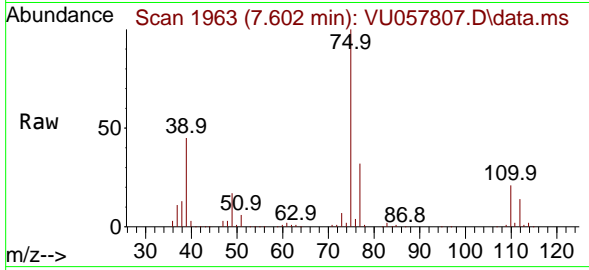
#51  
 cis-1,3-Dichloropropene  
 Concen: 17.137 ug/l  
 RT: 7.602 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015



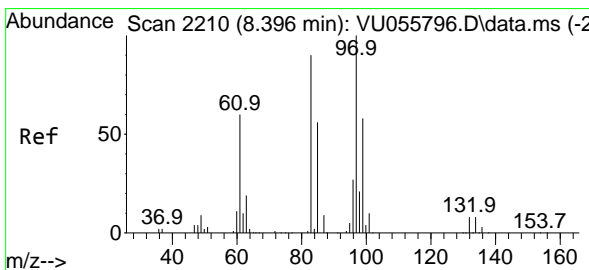
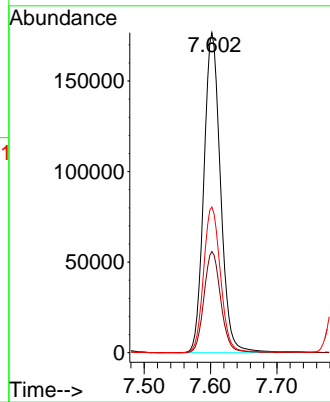
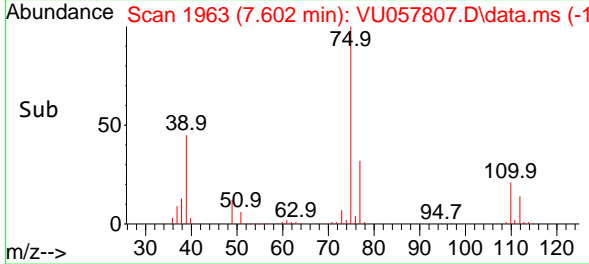
Tgt Ion: 75 Resp: 30829  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.7 38.5  
 39 45.5 32.8 49.2

Manual Integrations

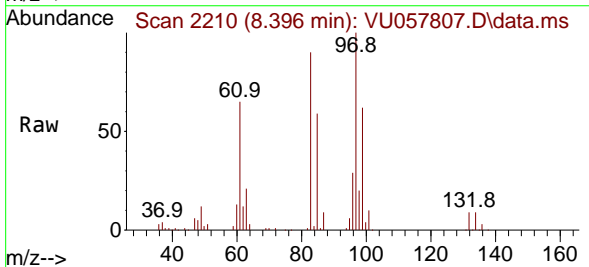
APPROVED

Reviewed By :John Carlone 02/14/2024

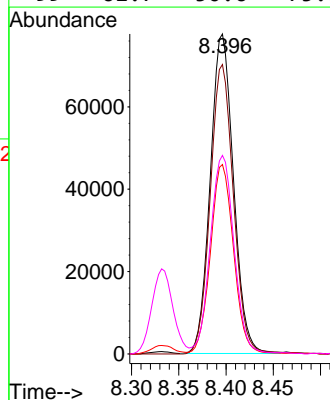
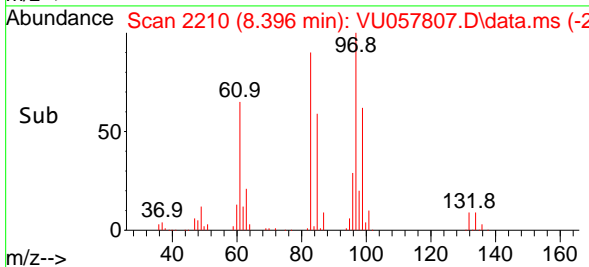
Supervised By :Mahesh Dadoda 02/14/2024

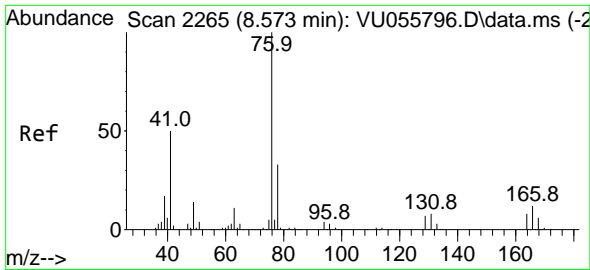


#52  
 1,1,2-Trichloroethane  
 Concen: 16.340 ug/l  
 RT: 8.396 min Scan# 2210  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



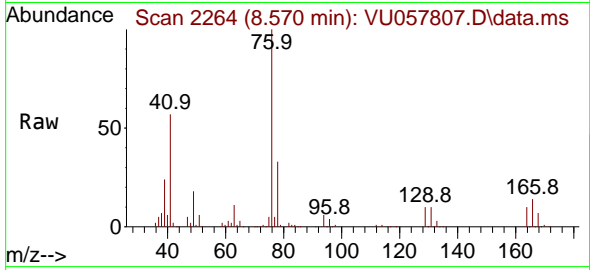
Tgt Ion: 97 Resp: 132748  
 Ion Ratio Lower Upper  
 97 100  
 83 90.6 71.8 107.8  
 85 59.0 45.2 67.8  
 99 61.7 50.6 75.8





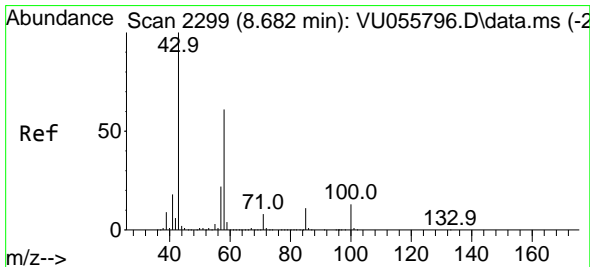
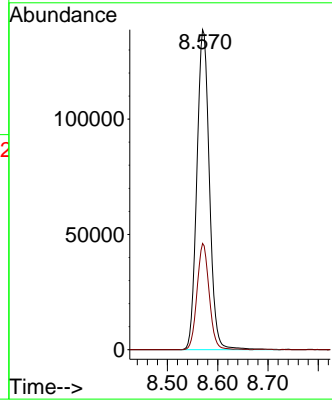
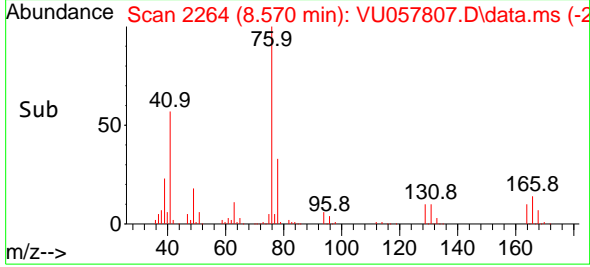
#53  
 1,3-Dichloropropane  
 Concen: 16.400 ug/l  
 RT: 8.570 min Scan# 2100  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 ClientSampleId : VSTDIC015

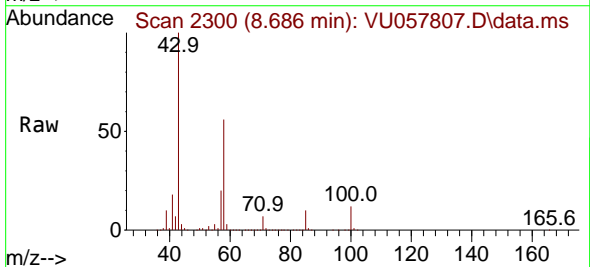


Tgt Ion: 76 Resp: 240160  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.9 38.9

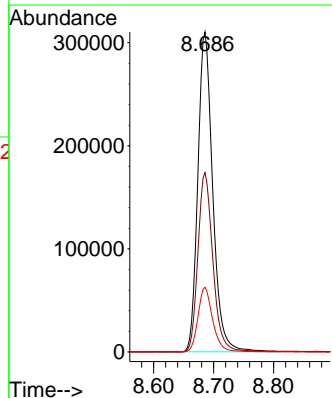
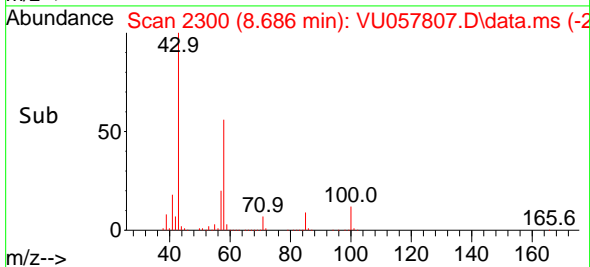
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

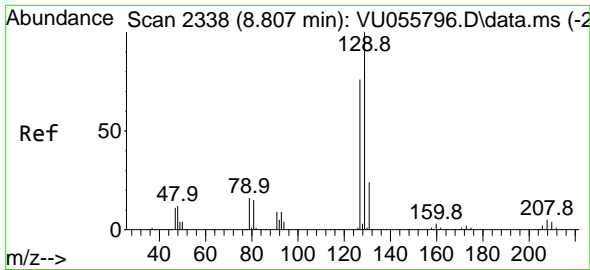


#54  
 2-Hexanone  
 Concen: 94.371 ug/l  
 RT: 8.686 min Scan# 2300  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



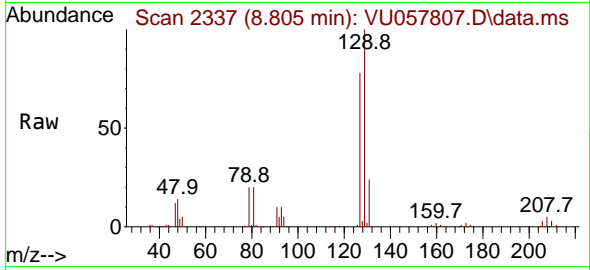
Tgt Ion: 43 Resp: 537905  
 Ion Ratio Lower Upper  
 43 100  
 58 56.4 38.2 78.2  
 57 20.0 0.0 39.1





#55  
 Dibromochloromethane  
 Concen: 16.729 ug/l  
 RT: 8.805 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

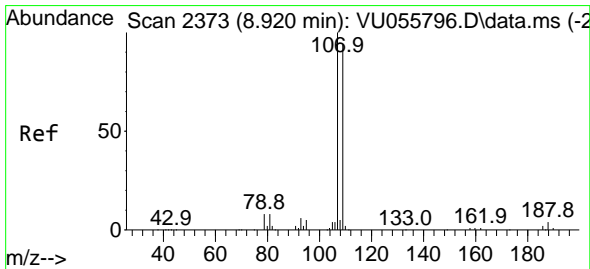
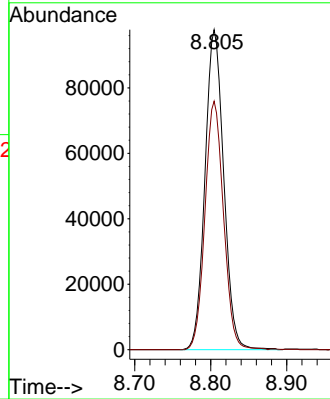
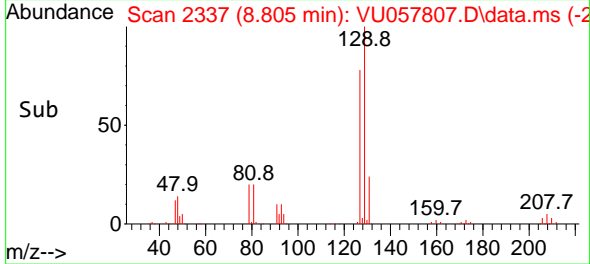
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC015



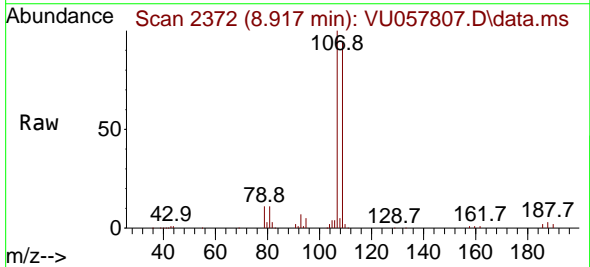
Tgt Ion:129 Resp: 16730  
 Ion Ratio Lower Upper  
 129 100  
 127 77.0 61.4 92.0

Manual Integrations  
**APPROVED**

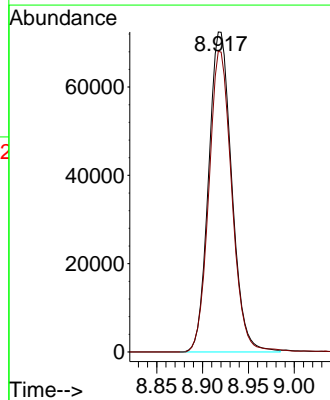
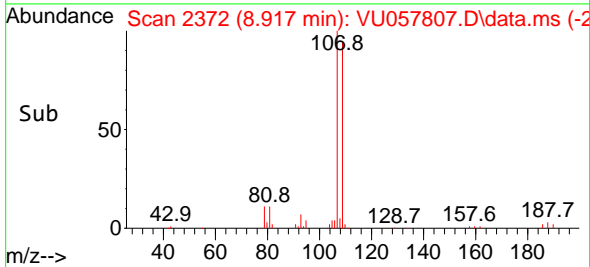
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

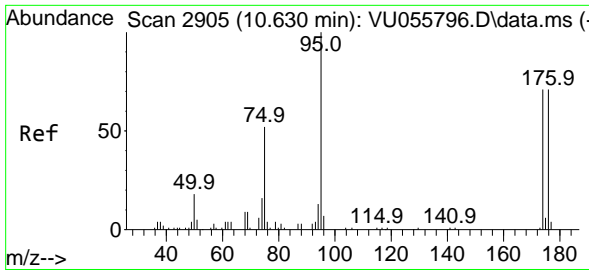


#56  
 1,2-Dibromoethane  
 Concen: 17.084 ug/l  
 RT: 8.917 min Scan# 2372  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:107 Resp: 127380  
 Ion Ratio Lower Upper  
 107 100  
 109 93.1 0.0 184.4





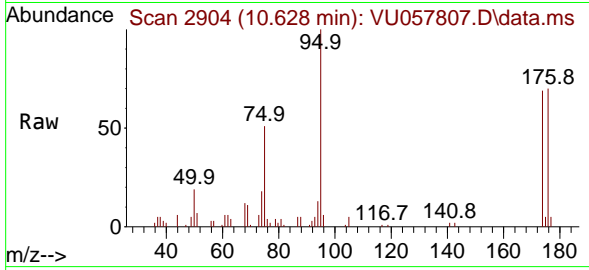
#57  
 4-Bromofluorobenzene  
 Concen: 1.049 ug/l  
 RT: 10.628 min Scan# 2904  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015



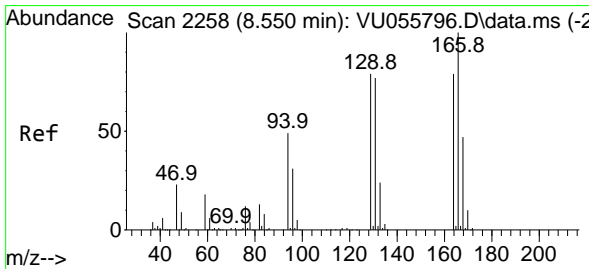
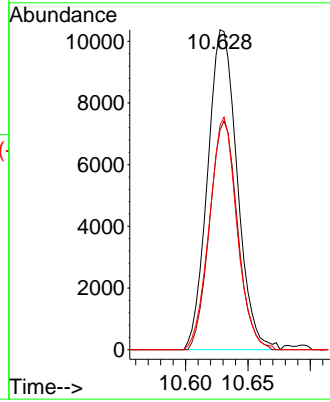
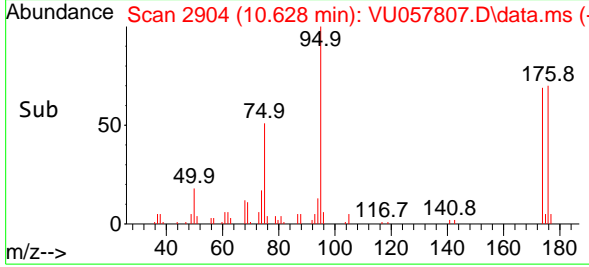
Tgt Ion: 95 Resp: 1715  
 Ion Ratio Lower Upper  
 95 100  
 174 67.2 63.3 94.9  
 176 67.9 59.3 88.9

Manual Integrations

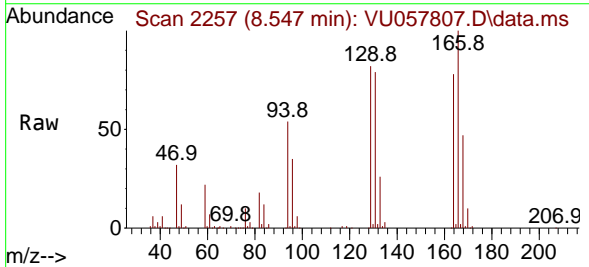
APPROVED

Reviewed By :John Carlone 02/14/2024

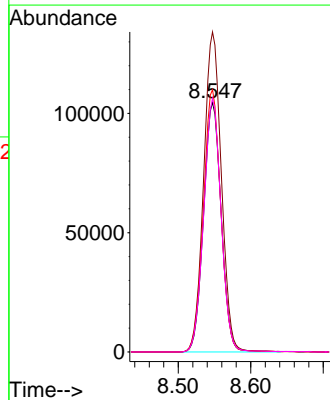
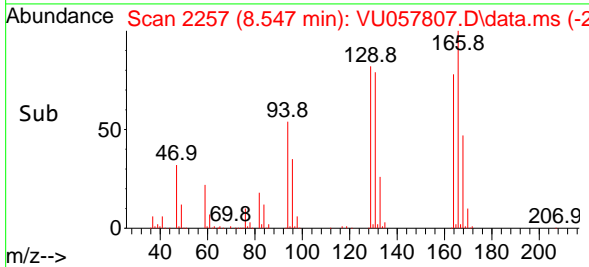
Supervised By :Mahesh Dadoda 02/14/2024



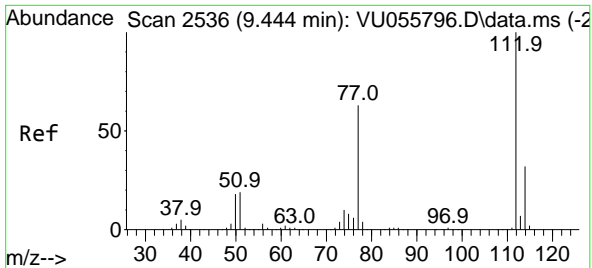
#58  
 Tetrachloroethene  
 Concen: 15.371 ug/l  
 RT: 8.547 min Scan# 2257  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:164 Resp: 176311  
 Ion Ratio Lower Upper  
 164 100  
 166 128.3 99.6 149.4  
 129 105.2 78.6 117.8  
 131 101.7 73.4 110.0







#59  
 Chlorobenzene  
 Concen: 16.339 ug/l  
 RT: 9.441 min Scan# 2536  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

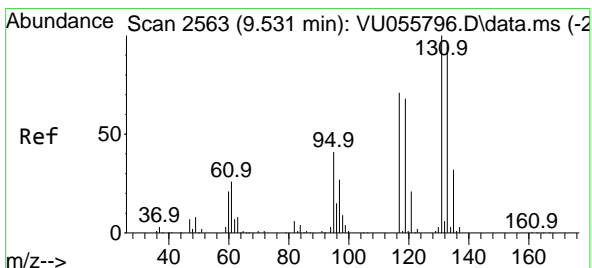
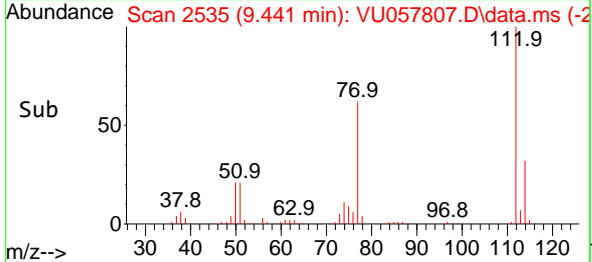
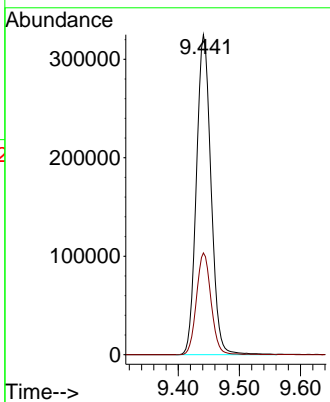
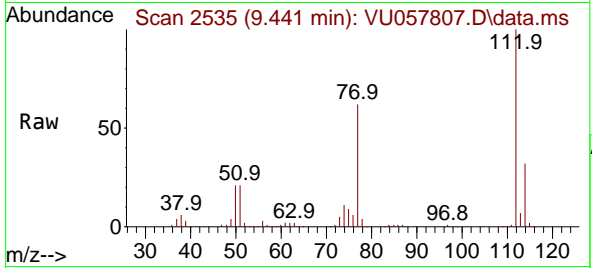
Tgt Ion:112 Resp: 53980  
 Ion Ratio Lower Upper  
 112 100  
 114 31.8 25.6 38.4

Manual Integrations

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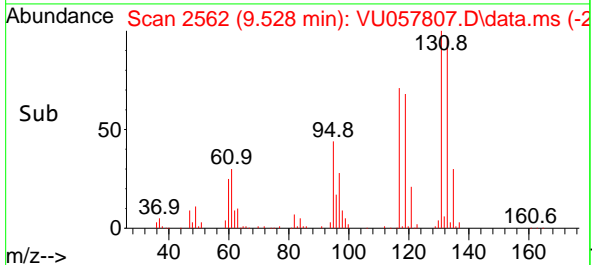
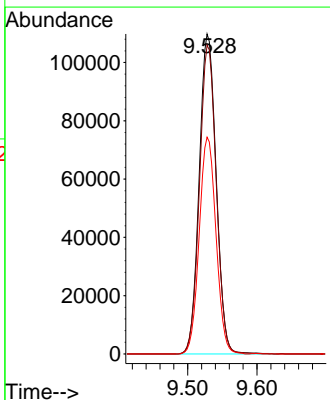
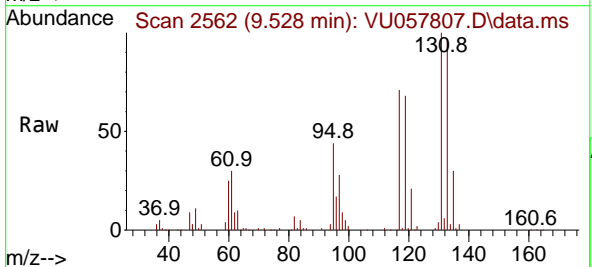
Reviewed By :John Carlone 02/14/2024

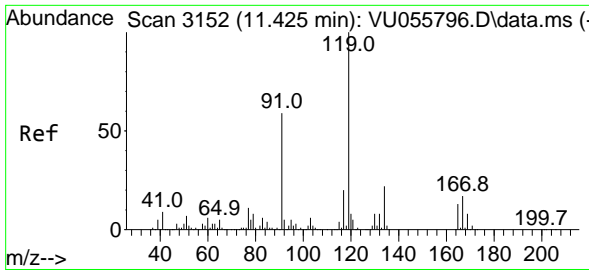
Supervised By :Mahesh Dadoda 02/14/2024



#60  
 1,1,1,2-Tetrachloroethane  
 Concen: 16.559 ug/l  
 RT: 9.528 min Scan# 2562  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Tgt Ion:131 Resp: 186361  
 Ion Ratio Lower Upper  
 131 100  
 133 95.7 77.8 116.6  
 119 67.1 55.2 82.8





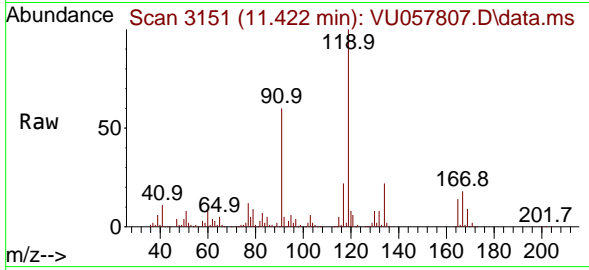
#61  
 Pentachloroethane  
 Concen: 17.281 ug/l  
 RT: 11.422 min Scan# 3151  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

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ClientSampleId :

VSTDIC015



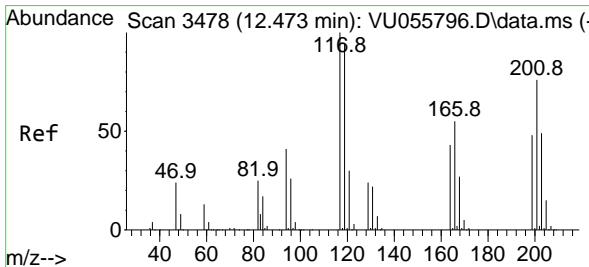
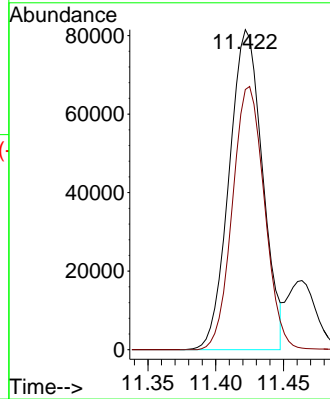
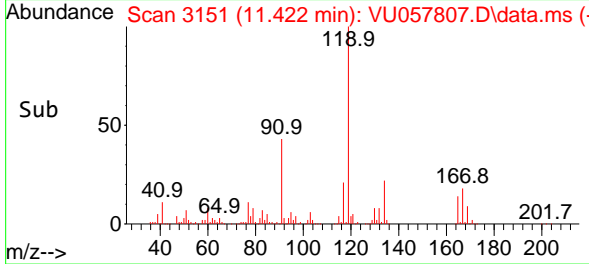
Tgt Ion:117 Resp: 139774  
 Ion Ratio Lower Upper  
 117 100  
 167 79.0 56.7 85.1

Manual Integrations

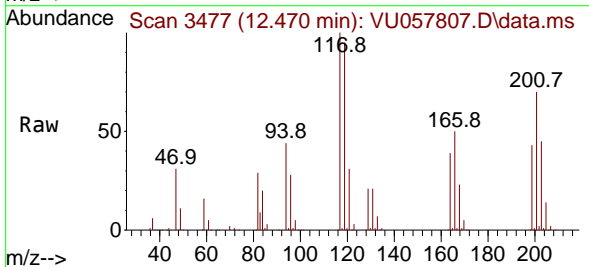
APPROVED

Reviewed By :John Carlone 02/14/2024

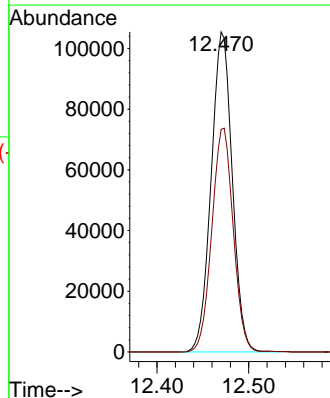
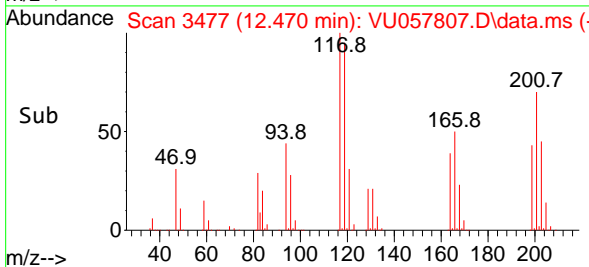
Supervised By :Mahesh Dadoda 02/14/2024

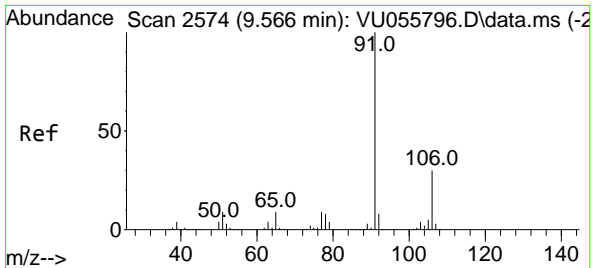


#62  
 Hexachloroethane  
 Concen: 18.876 ug/l  
 RT: 12.470 min Scan# 3477  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:117 Resp: 168663  
 Ion Ratio Lower Upper  
 117 100  
 201 70.8 59.6 89.4



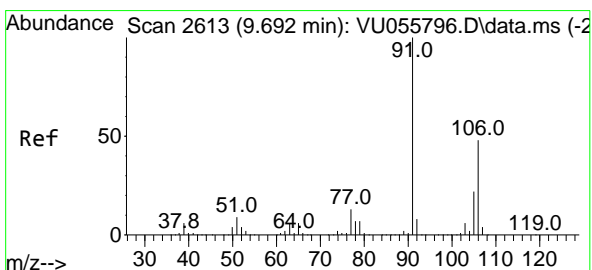
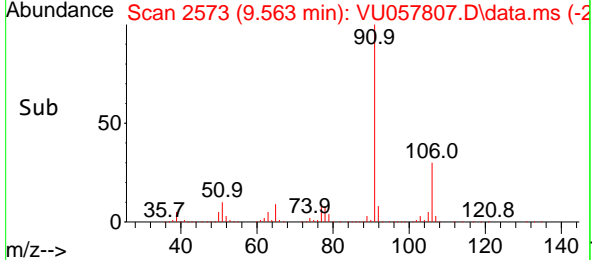
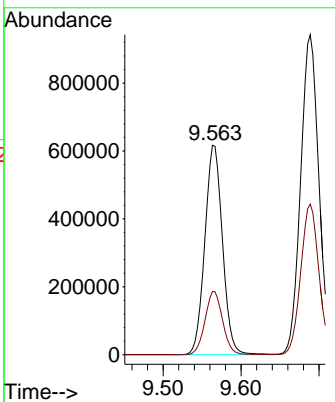
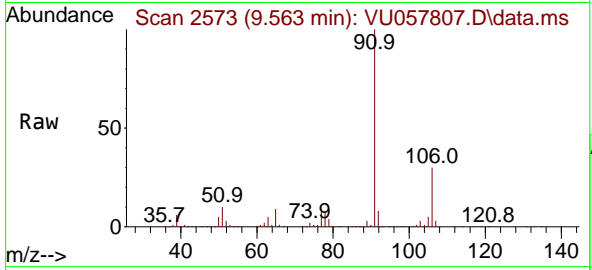


#63  
 Ethyl Benzene  
 Concen: 16.556 ug/l  
 RT: 9.563 min Scan# 2573  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 Client Sample Id : VSTDIC015

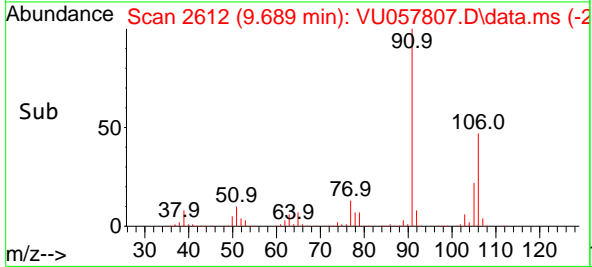
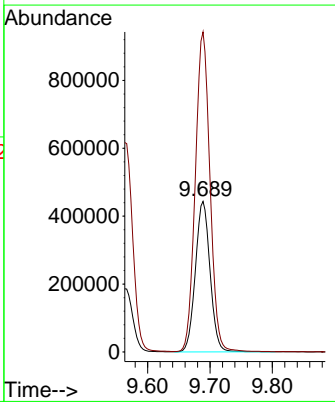
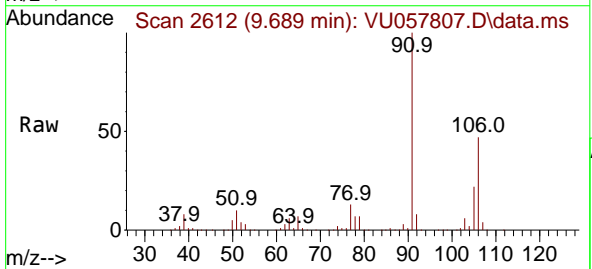
Tgt Ion: 91 Resp: 973609  
 Ion Ratio Lower Upper  
 91 100  
 106 30.2 24.2 36.2

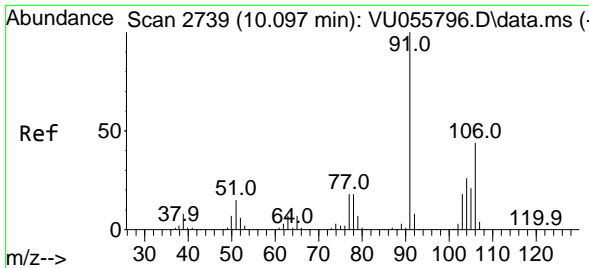
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024



#64  
 m/p-Xylenes  
 Concen: 33.927 ug/l  
 RT: 9.689 min Scan# 2612  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

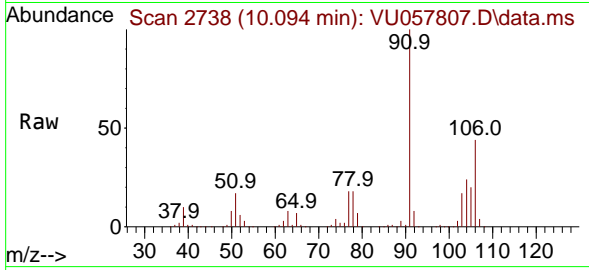
Tgt Ion:106 Resp: 723979  
 Ion Ratio Lower Upper  
 106 100  
 91 212.5 167.3 250.9





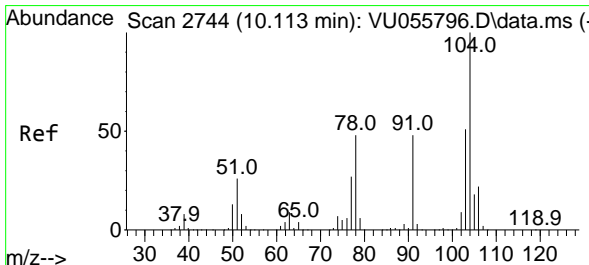
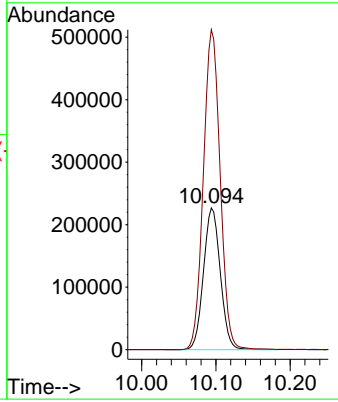
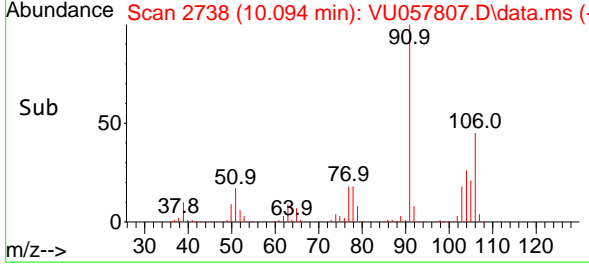
#65  
 o-Xylene  
 Concen: 16.872 ug/l  
 RT: 10.094 min Scan# 2738  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument : MSVOA\_U  
 Client SampleId : VSTDIC015

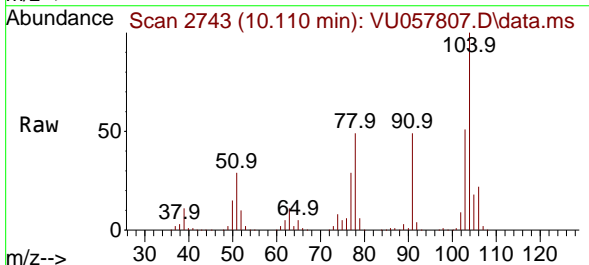


Tgt Ion:106 Resp: 35624  
 Ion Ratio Lower Upper  
 106 100  
 91 226.1 109.3 327.9

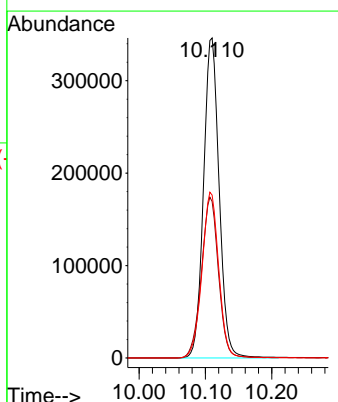
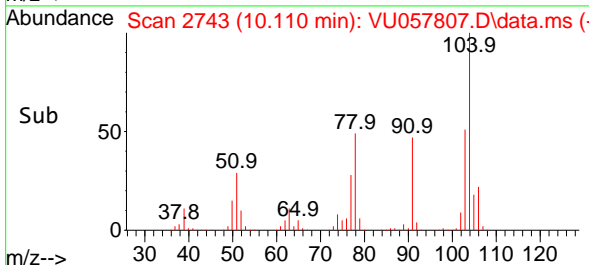
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

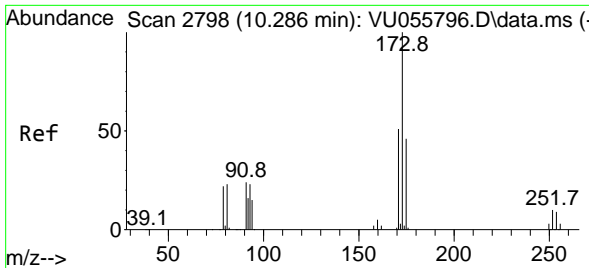


#66  
 Styrene  
 Concen: 17.990 ug/l  
 RT: 10.110 min Scan# 2743  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:104 Resp: 567904  
 Ion Ratio Lower Upper  
 104 100  
 78 54.8 39.7 59.5  
 103 55.6 44.8 67.2





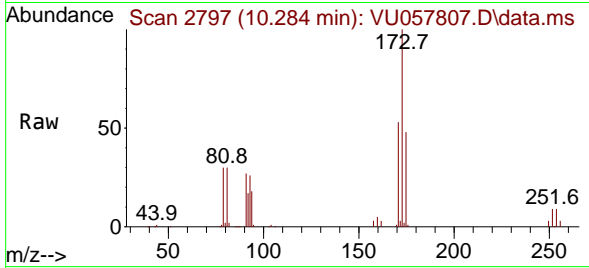
#67  
 Bromoform  
 Concen: 17.346 ug/l  
 RT: 10.284 min Scan# 2797  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC015

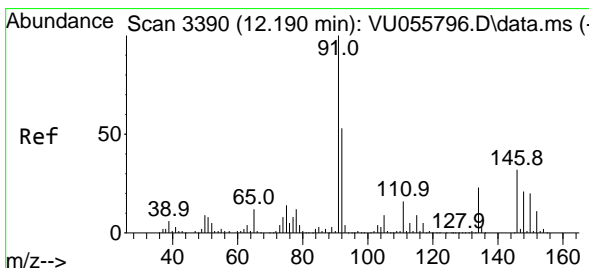
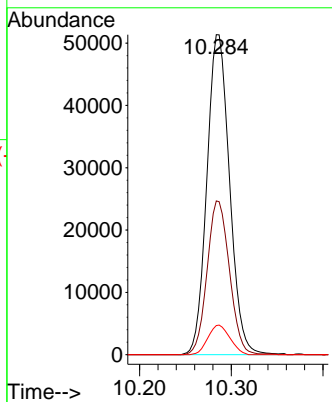
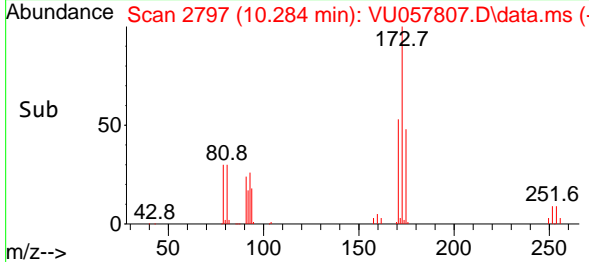


Tgt Ion:173 Resp: 8828  
 Ion Ratio Lower Upper  
 173 100  
 175 47.2 39.0 58.6  
 254 9.0 7.4 11.0

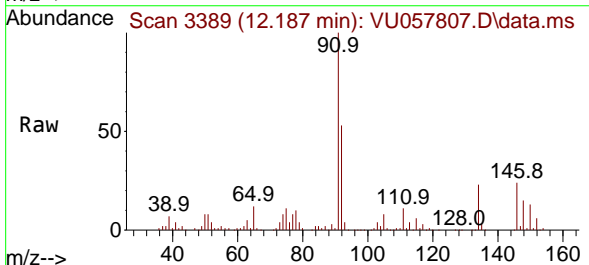
Manual Integrations

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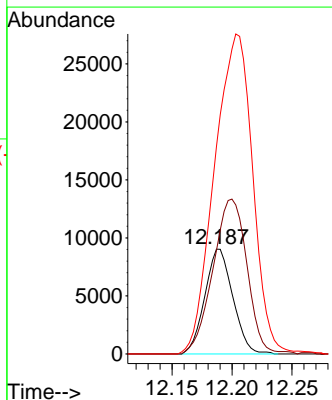
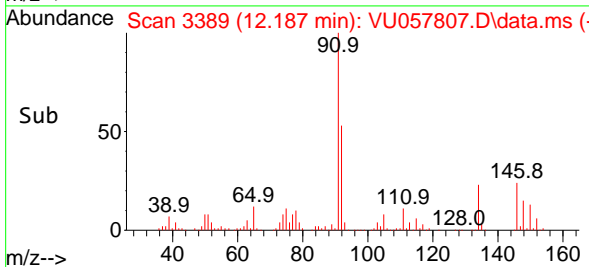
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

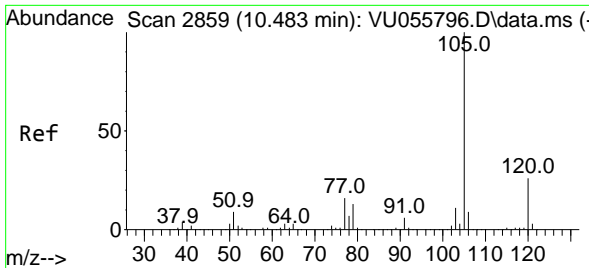


#68  
 1,2-Dichlorobenzene-d4  
 Concen: 1.000 ug/l  
 RT: 12.187 min Scan# 3389  
 Delta R.T. -0.006 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:152 Resp: 14664  
 Ion Ratio Lower Upper  
 152 100  
 115 179.8 0.0 308.8  
 150 417.5 0.0 635.0





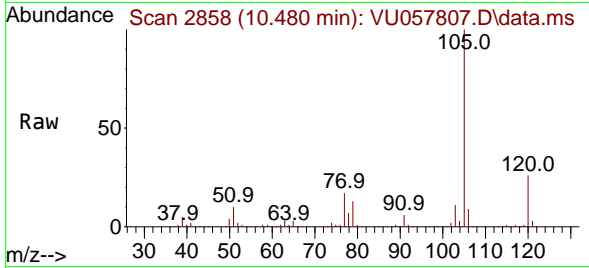
#69  
 Isopropylbenzene  
 Concen: 17.335 ug/l  
 RT: 10.480 min Scan# 2859  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

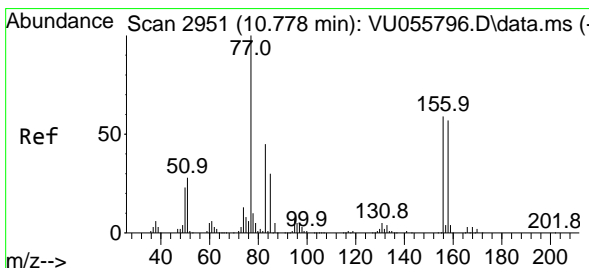
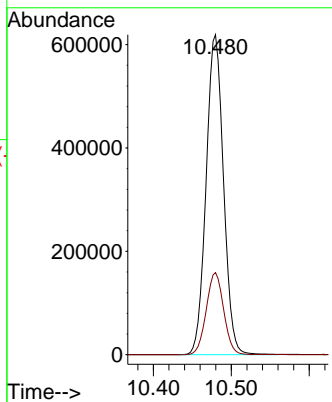
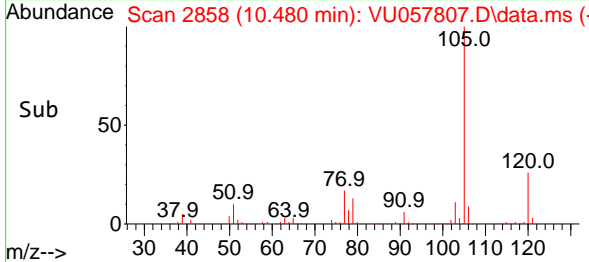


Tgt Ion: 105 Resp: 95877  
 Ion Ratio Lower Upper  
 105 100  
 120 25.7 12.8 38.4

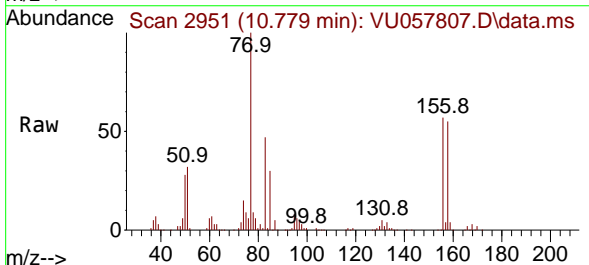
Manual Integrations

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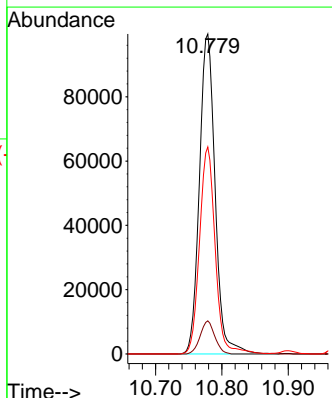
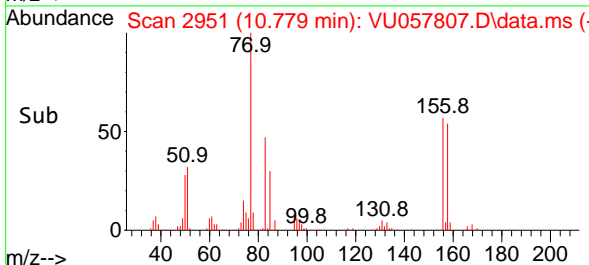
Reviewed By : John Carlone 02/14/2024  
 Supervised By : Mahesh Dadoda 02/14/2024

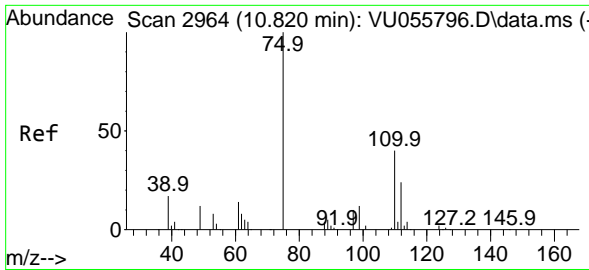


#70  
 1,1,2,2-Tetrachloroethane  
 Concen: 16.348 ug/l  
 RT: 10.779 min Scan# 2951  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 83 Resp: 164342  
 Ion Ratio Lower Upper  
 83 100  
 131 9.6 7.2 10.8  
 85 64.5 50.5 75.7





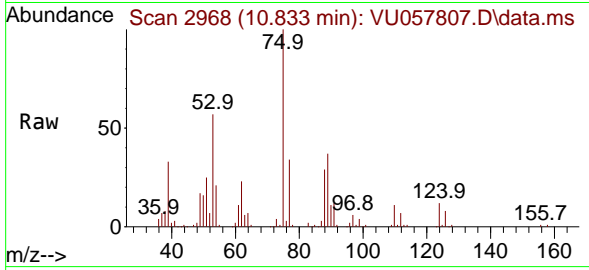
#71  
 1,2,3-Trichloropropane  
 Concen: 17.825 ug/l m  
 RT: 10.833 min Scan# 2968  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



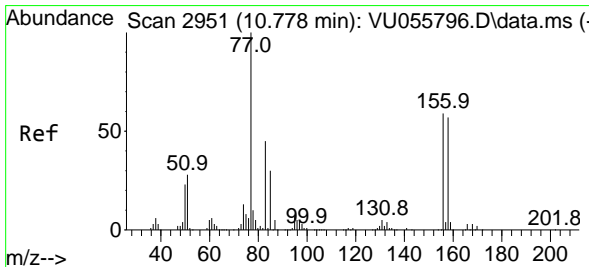
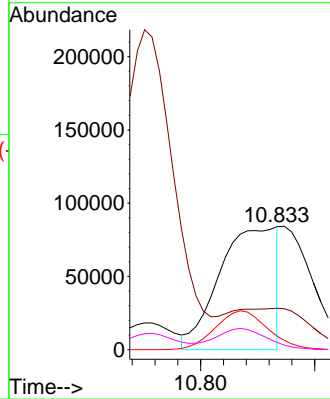
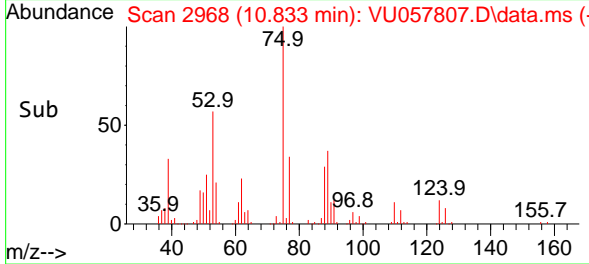
Tgt Ion: 75 Resp: 146850  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 116.4  
 110 29.1 0.0 74.6  
 97 15.2 0.0 40.0

Manual Integrations

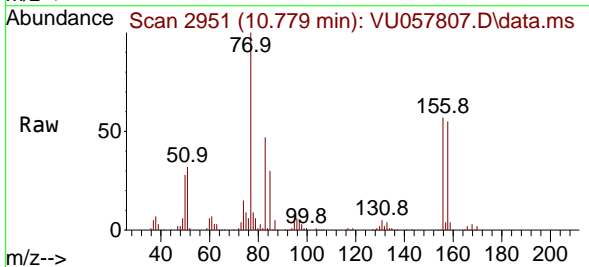
APPROVED

Reviewed By :John Carlone 02/14/2024

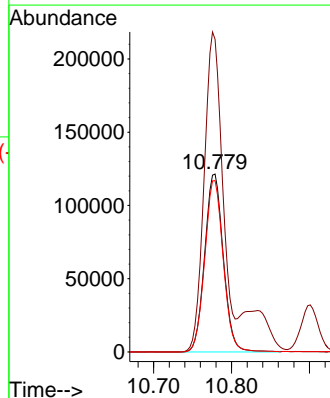
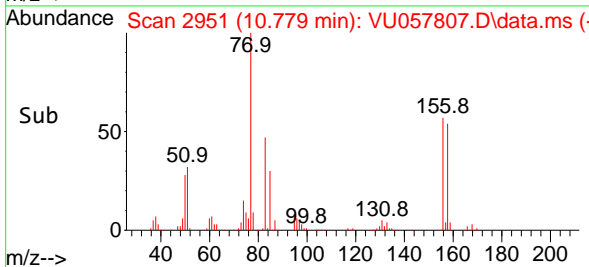
Supervised By :Mahesh Dadoda 02/14/2024

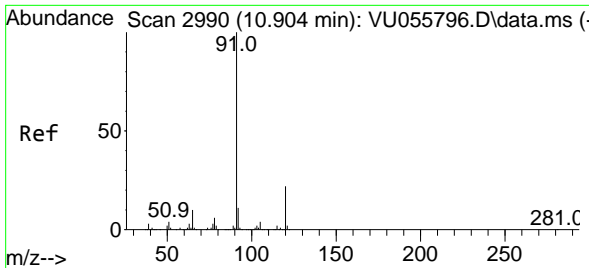


#72  
 Bromobenzene  
 Concen: 16.713 ug/l  
 RT: 10.779 min Scan# 2951  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:156 Resp: 202052  
 Ion Ratio Lower Upper  
 156 100  
 77 176.3 0.0 343.0  
 158 95.7 0.0 194.8





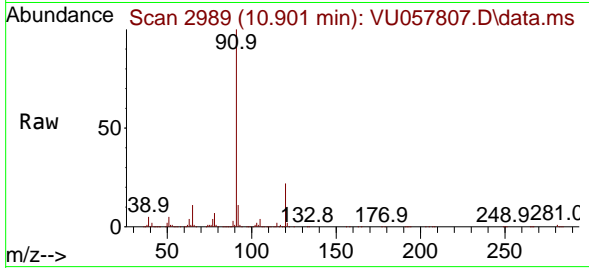
#73  
 n-propylbenzene  
 Concen: 18.394 ug/l  
 RT: 10.901 min Scan# 2990  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



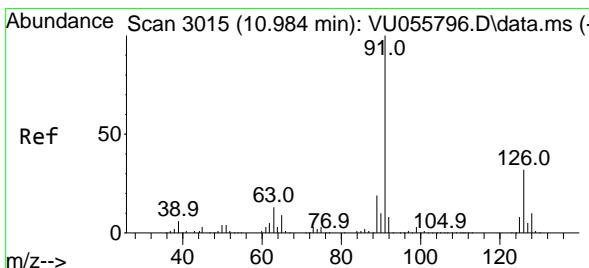
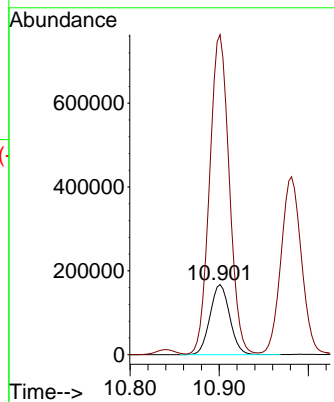
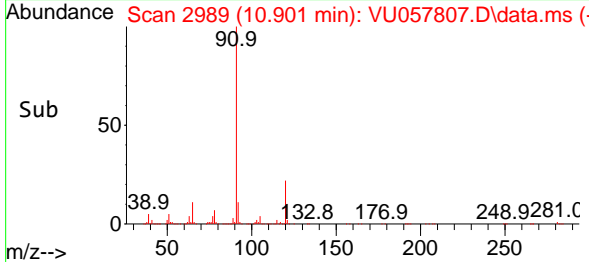
Tgt Ion:120 Resp: 256811  
 Ion Ratio Lower Upper  
 120 100  
 91 453.8 369.8 554.6

Manual Integrations

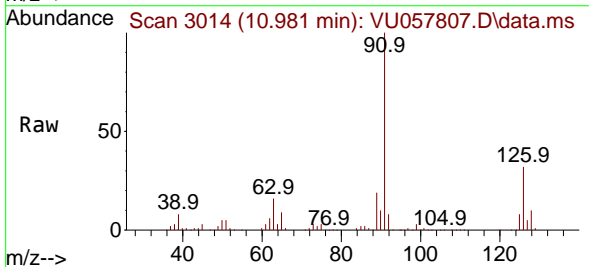
APPROVED

Reviewed By :John Carlone 02/14/2024

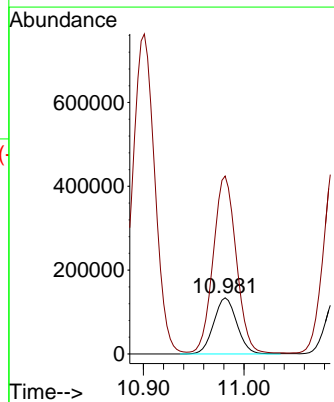
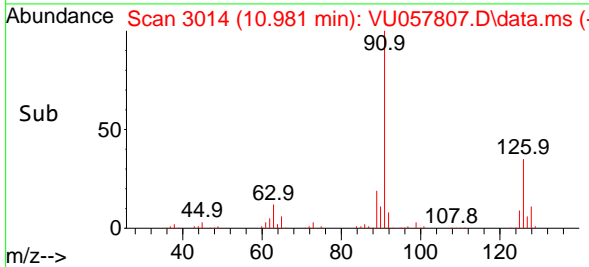
Supervised By :Mahesh Dadoda 02/14/2024



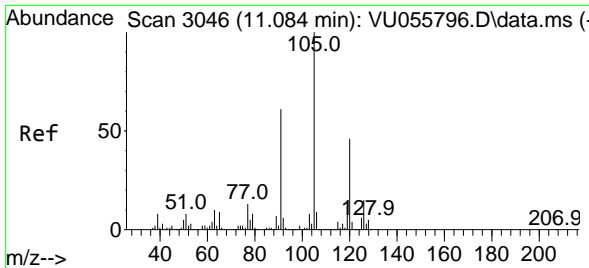
#74  
 2-Chlorotoluene  
 Concen: 16.669 ug/l  
 RT: 10.981 min Scan# 3014  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:126 Resp: 213877  
 Ion Ratio Lower Upper  
 126 100  
 91 315.7 0.0 610.0







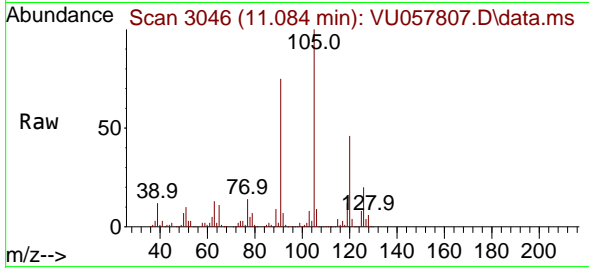
#75  
 1,3,5-Trimethylbenzene  
 Concen: 17.103 ug/l  
 RT: 11.084 min Scan# 3046  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

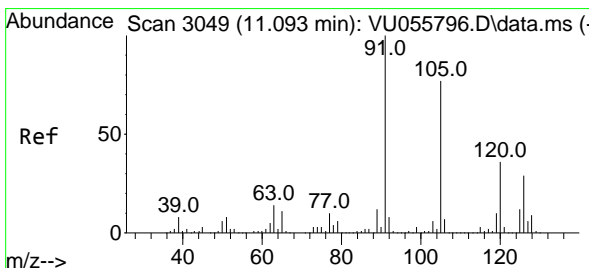
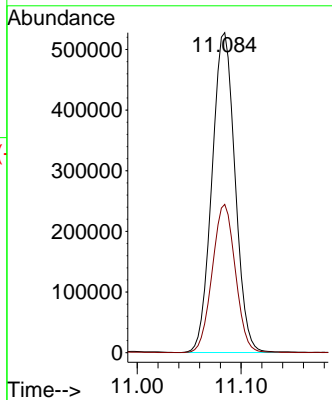
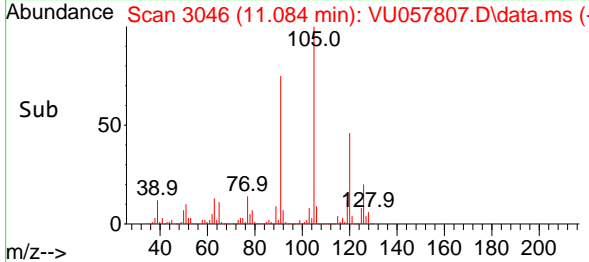


Tgt Ion:105 Resp: 814270  
 Ion Ratio Lower Upper  
 105 100  
 120 46.4 37.8 56.8

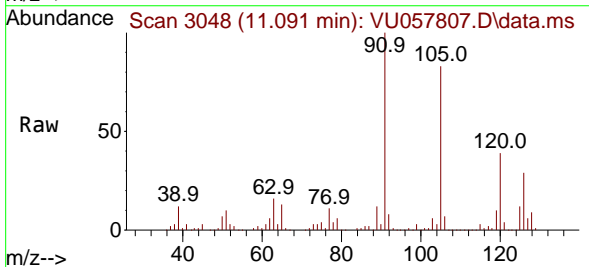
Manual Integrations

APPROVED

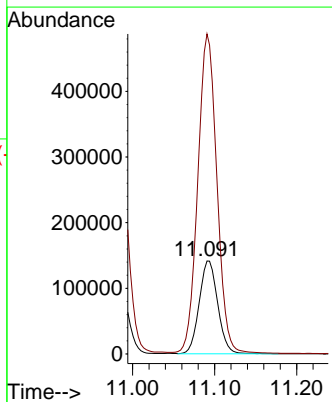
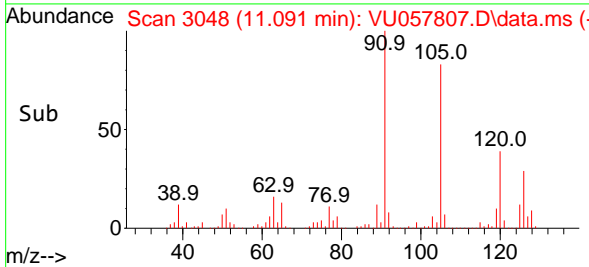
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

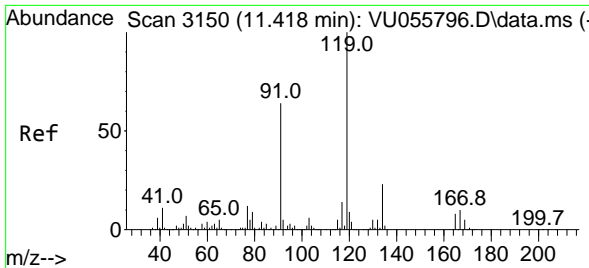


#76  
 4-Chlorotoluene  
 Concen: 17.134 ug/l  
 RT: 11.091 min Scan# 3048  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:126 Resp: 221574  
 Ion Ratio Lower Upper  
 126 100  
 91 355.2 0.0 686.2





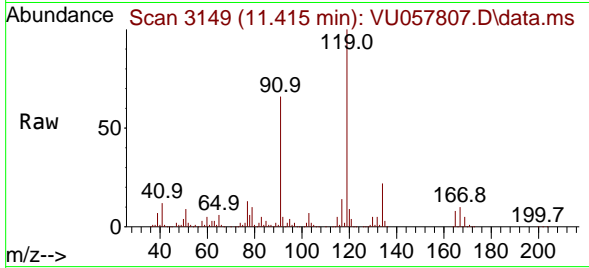
#77  
 tert-Butylbenzene  
 Concen: 17.447 ug/l  
 RT: 11.415 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



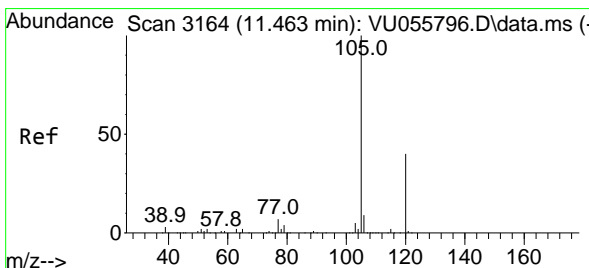
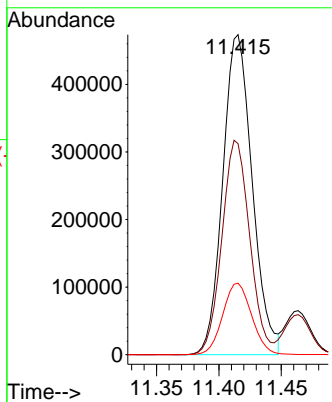
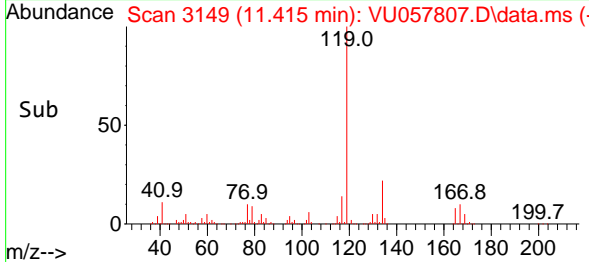
Tgt Ion:119 Resp: 780592  
 Ion Ratio Lower Upper  
 119 100  
 91 63.5 30.8 92.4  
 134 22.0 18.0 27.0

Manual Integrations

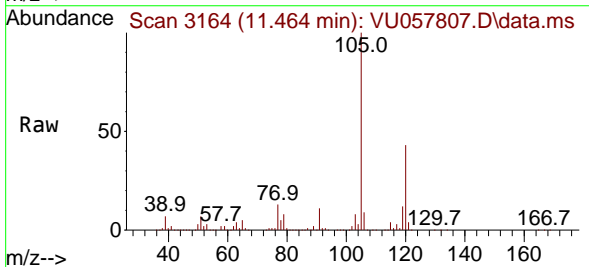
APPROVED

Reviewed By :John Carlone 02/14/2024

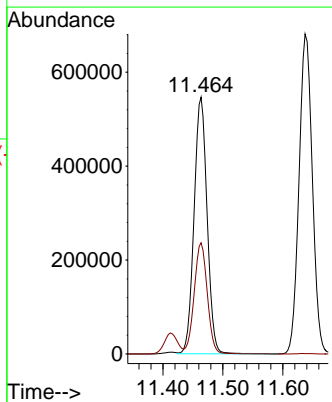
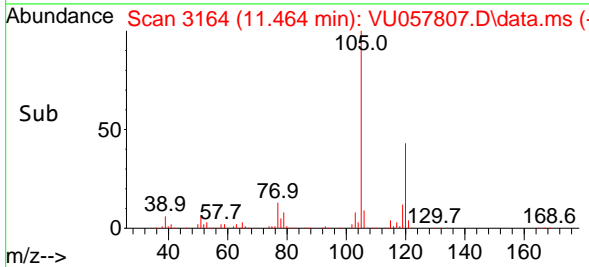
Supervised By :Mahesh Dadoda 02/14/2024

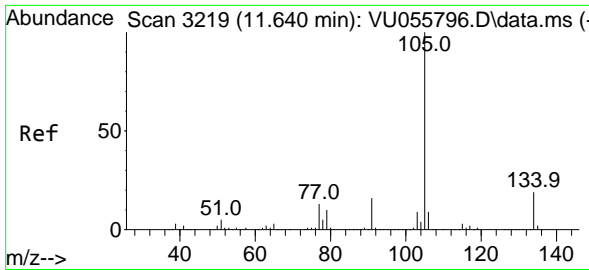


#78  
 1,2,4-Trimethylbenzene  
 Concen: 17.186 ug/l  
 RT: 11.464 min Scan# 3164  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:105 Resp: 829475  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 21.9 65.8





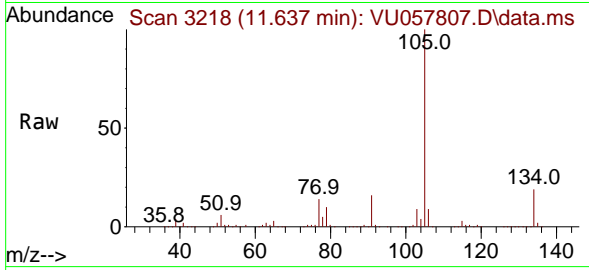
#79  
 sec-Butylbenzene  
 Concen: 18.138 ug/l  
 RT: 11.637 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015



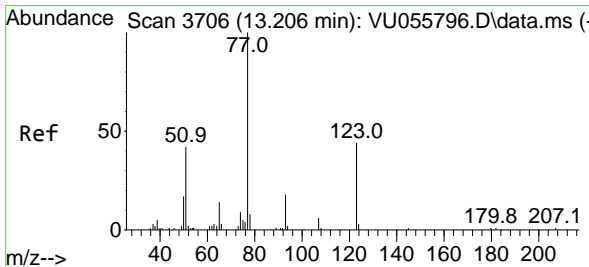
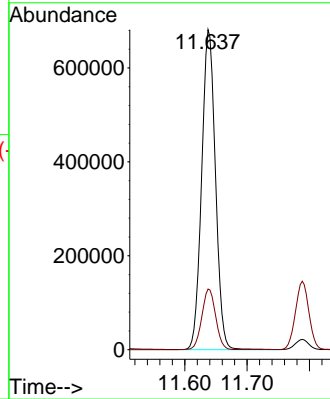
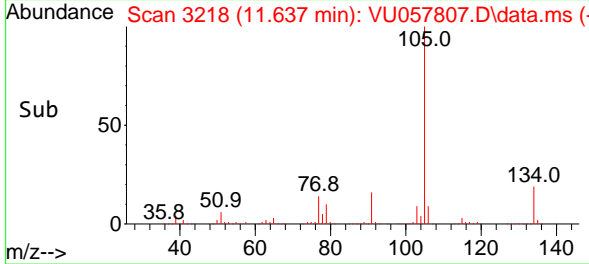
Tgt Ion:105 Resp: 104625  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 14.9 22.3

Manual Integrations

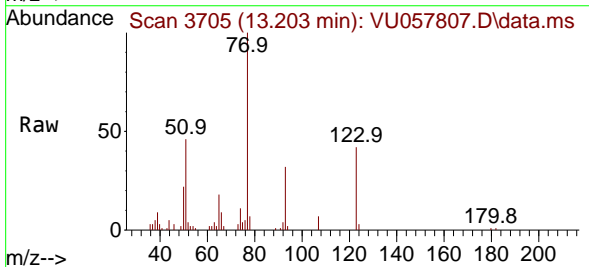
APPROVED

Reviewed By :John Carlone 02/14/2024

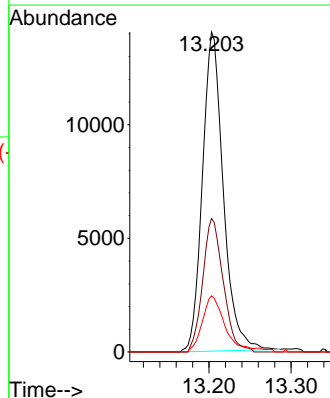
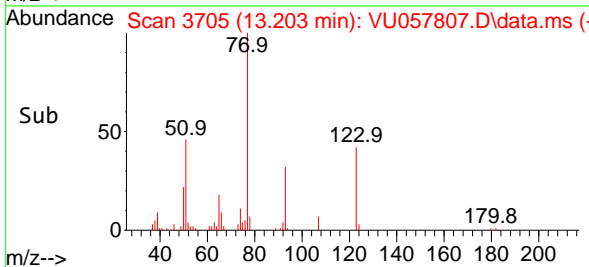
Supervised By :Mahesh Dadoda 02/14/2024

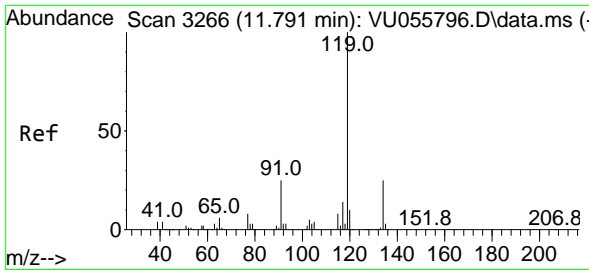


#80  
 Nitrobenzene  
 Concen: 118.624 ug/l  
 RT: 13.203 min Scan# 3705  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 77 Resp: 24809  
 Ion Ratio Lower Upper  
 77 100  
 123 40.9 19.7 69.7  
 65 17.3 11.5 14.7#





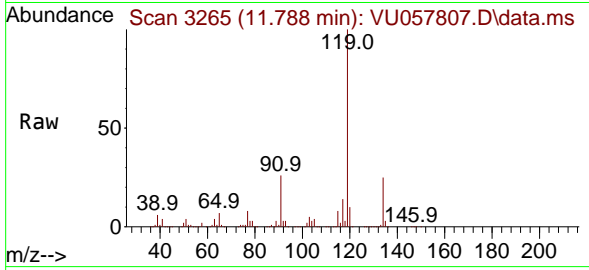
#81  
 p-Isopropyltoluene  
 Concen: 18.192 ug/l  
 RT: 11.788 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

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ClientSampleId :

VSTDIC015



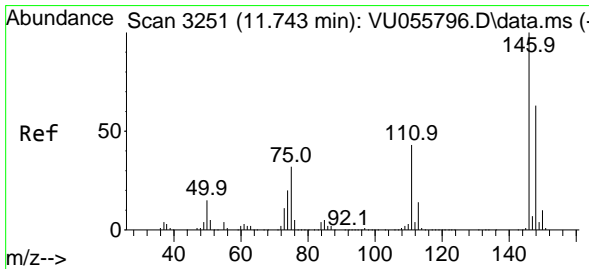
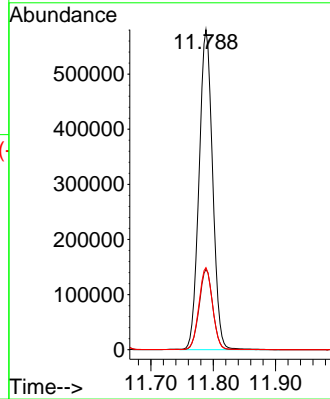
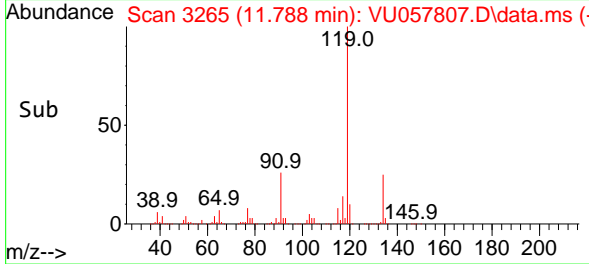
Tgt Ion:119 Resp: 87692  
 Ion Ratio Lower Upper  
 119 100  
 134 24.9 20.2 30.4  
 91 25.4 19.3 28.9

Manual Integrations

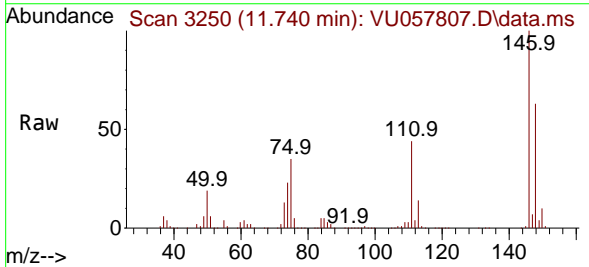
APPROVED

Reviewed By :John Carlone 02/14/2024

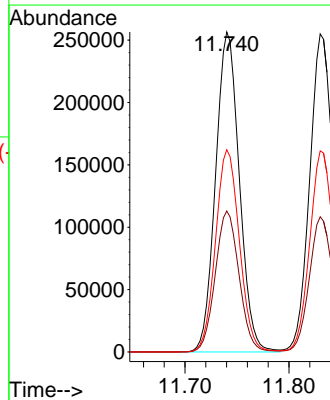
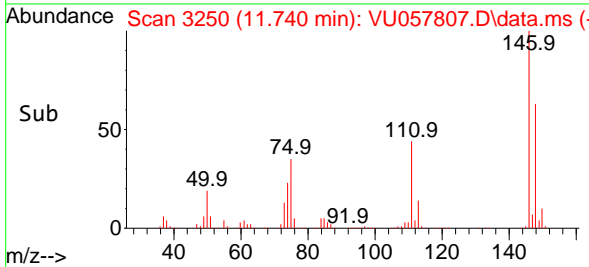
Supervised By :Mahesh Dadoda 02/14/2024

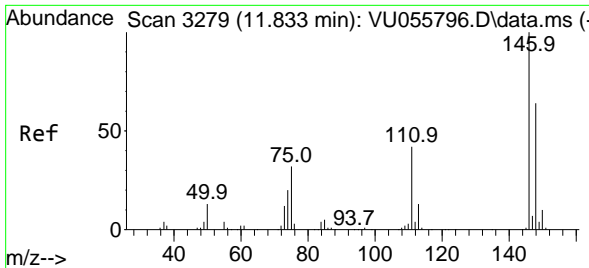


#82  
 1,3-Dichlorobenzene  
 Concen: 16.655 ug/l  
 RT: 11.740 min Scan# 3250  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:146 Resp: 407947  
 Ion Ratio Lower Upper  
 146 100  
 111 44.1 32.6 49.0  
 148 63.5 51.0 76.4





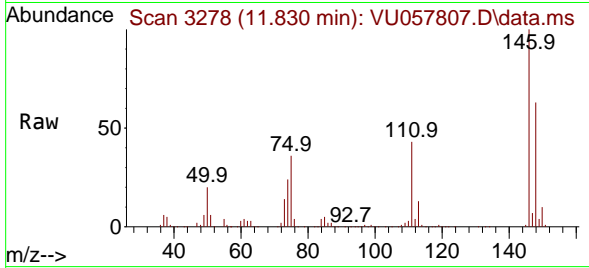
#83  
 1,4-Dichlorobenzene  
 Concen: 17.093 ug/l  
 RT: 11.830 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC015

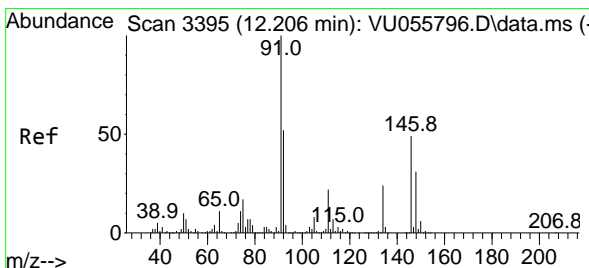
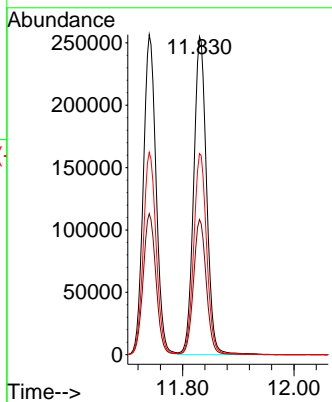
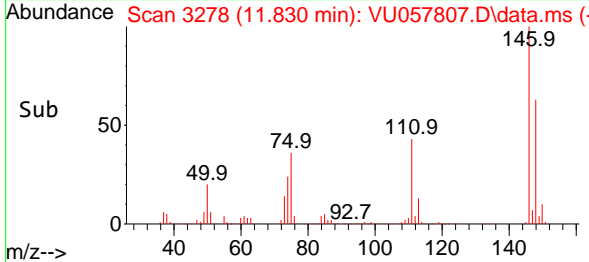


Tgt Ion:146 Resp: 41020  
 Ion Ratio Lower Upper  
 146 100  
 111 42.3 31.6 47.4  
 148 63.1 50.3 75.5

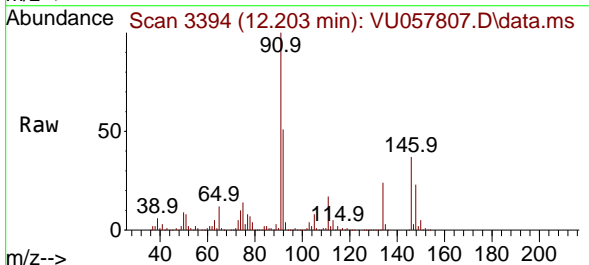
Manual Integrations

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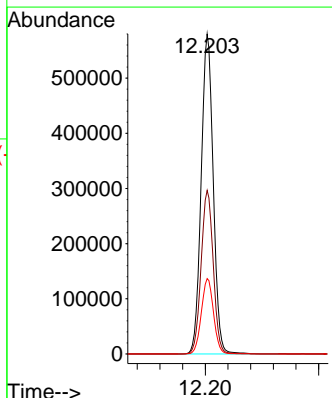
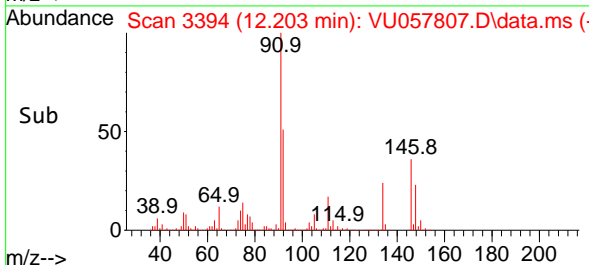
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

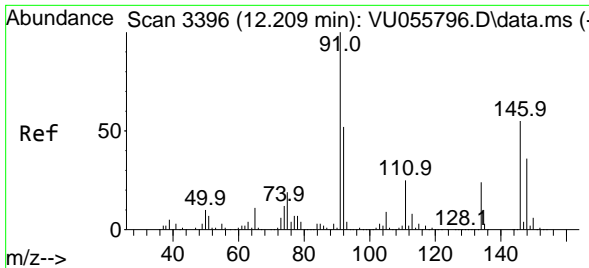


#84  
 n-Butylbenzene  
 Concen: 18.707 ug/l  
 RT: 12.203 min Scan# 3394  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 91 Resp: 856540  
 Ion Ratio Lower Upper  
 91 100  
 92 51.5 40.8 61.2  
 134 23.8 18.4 27.6





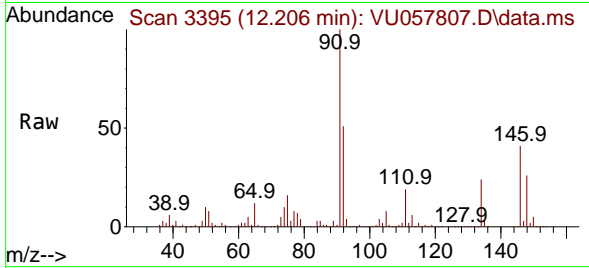
#85  
 1,2-Dichlorobenzene  
 Concen: 16.586 ug/l  
 RT: 12.206 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

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ClientSampleId :

VSTDIC015

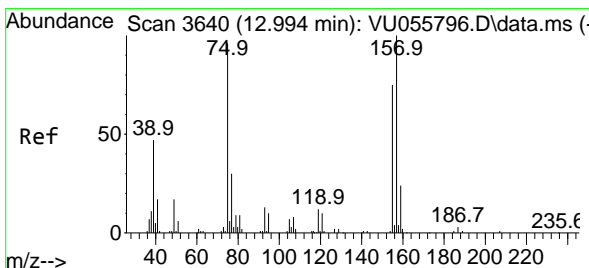
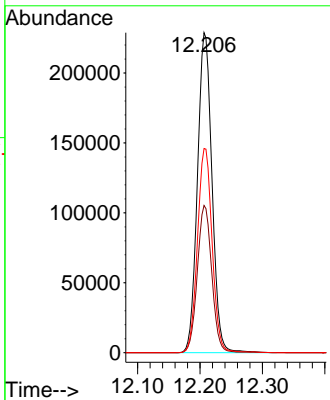
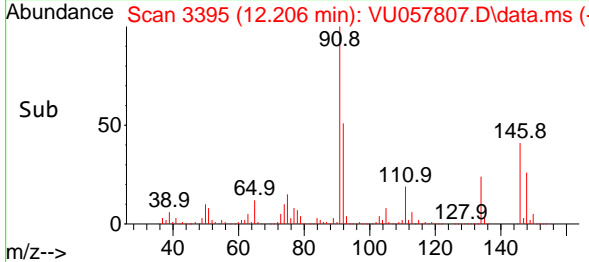


Tgt Ion:146 Resp: 37107  
 Ion Ratio Lower Upper  
 146 100  
 111 45.9 21.6 64.6  
 148 64.2 32.1 96.5

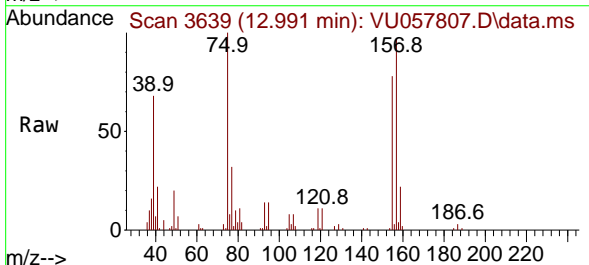
Manual Integrations

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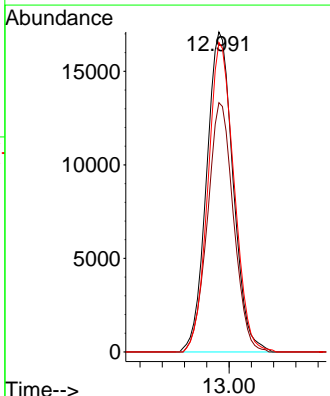
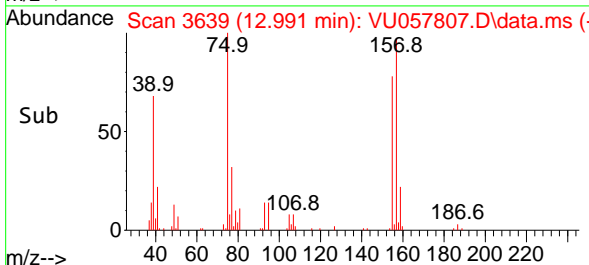
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

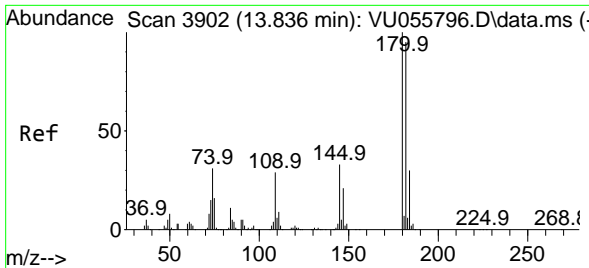


#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.182 ug/l  
 RT: 12.991 min Scan# 3639  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion: 75 Resp: 28315  
 Ion Ratio Lower Upper  
 75 100  
 155 76.4 61.8 92.8  
 157 95.0 80.2 120.4





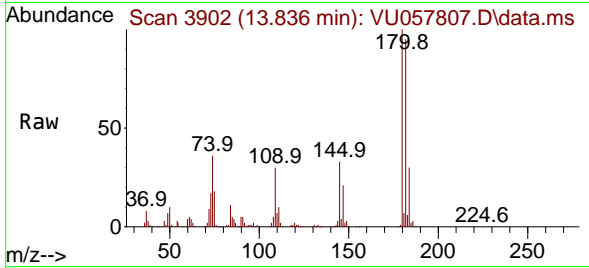
#87  
 1,2,4-Trichlorobenzene  
 Concen: 18.602 ug/l  
 RT: 13.836 min Scan# 3902  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

ClientSampleId :

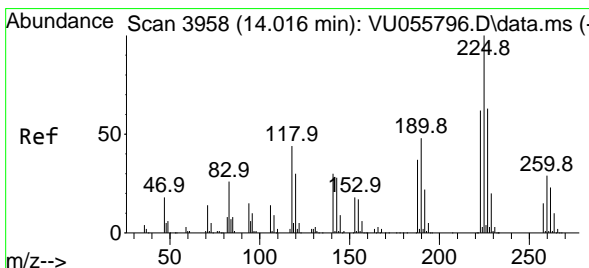
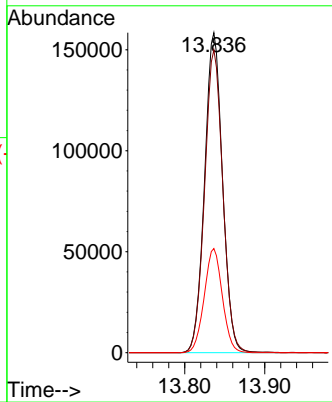
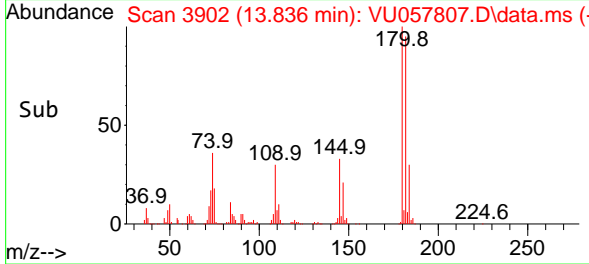
VSTDIC015



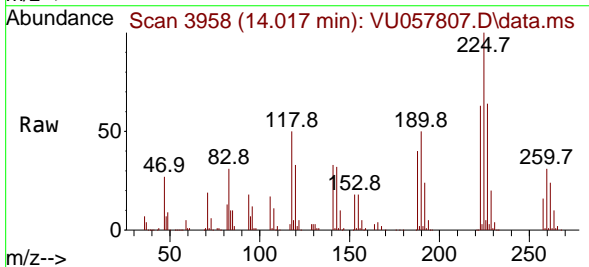
Tgt Ion:180 Resp: 24724  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 75.8 113.6  
 145 32.9 23.9 35.9

Manual Integrations  
**APPROVED**

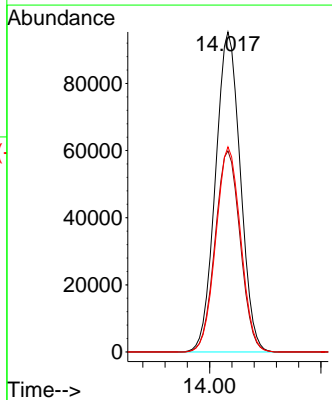
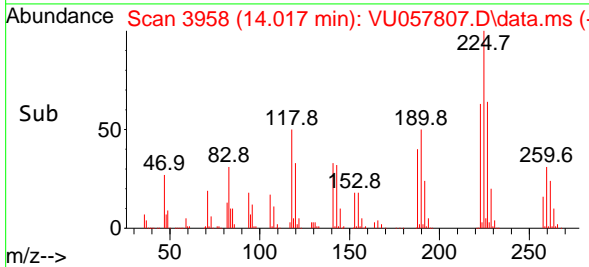
Reviewed By :John Carlone 02/14/2024  
 Supervised By :Mahesh Dadoda 02/14/2024

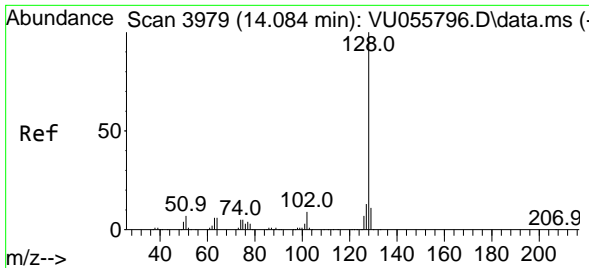


#88  
 Hexachlorobutadiene  
 Concen: 17.295 ug/l  
 RT: 14.017 min Scan# 3958  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:225 Resp: 147831  
 Ion Ratio Lower Upper  
 225 100  
 223 63.5 50.2 75.4  
 227 64.2 51.5 77.3





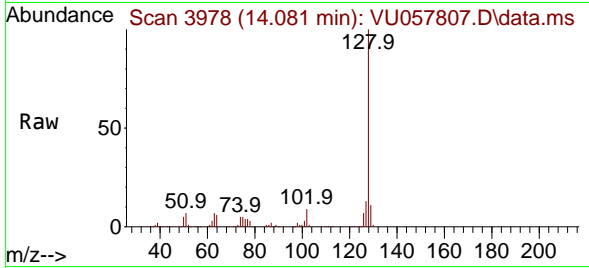
#89  
 Naphthalene  
 Concen: 20.157 ug/l  
 RT: 14.081 min Scan# 3979  
 Delta R.T. -0.003 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30

Instrument :

MSVOA\_U

Client Sample Id :

VSTDIC015



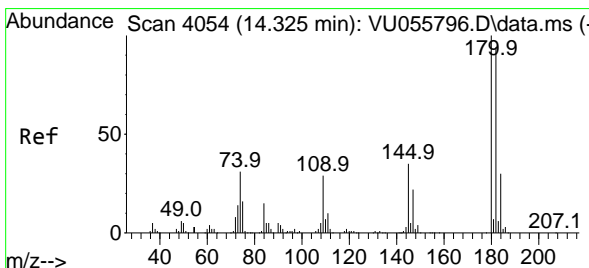
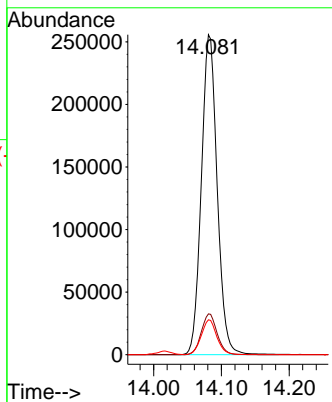
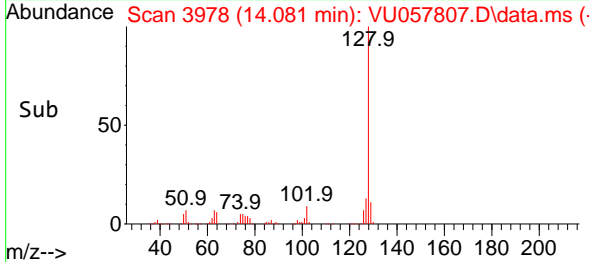
Tgt Ion:128 Resp: 414279  
 Ion Ratio Lower Upper  
 128 100  
 127 12.8 10.9 16.3  
 129 10.8 8.6 12.8

Manual Integrations

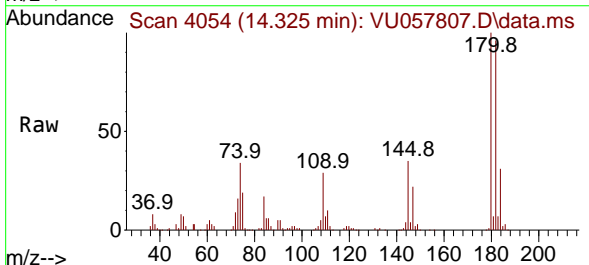
APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#90  
 1,2,3-Trichlorobenzene  
 Concen: 18.332 ug/l  
 RT: 14.325 min Scan# 4054  
 Delta R.T. 0.000 min  
 Lab File: VU057807.D  
 Acq: 05 Feb 2024 14:30



Tgt Ion:180 Resp: 204779  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 75.7 113.5  
 145 34.5 26.1 39.1

