

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055793.D
 Acq On : 18 Oct 2023 10:01
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Quant Time: Oct 19 02:13:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	87706	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	33293	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	31170	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	30794	0.904	ug/l	98
3) Chloromethane	1.515	50	27330	0.939	ug/l	99
4) Vinyl Chloride	1.602	62	26544	0.890	ug/l	96
5) Bromomethane	1.856	94	15067	0.918	ug/l	99
6) Chloroethane	1.930	64	13535	0.937	ug/l	99
7) Trichlorofluoromethane	2.136	101	34924	0.888	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	24179	0.922	ug/l	97
9) 1,1-Dichloroethene	2.576	96	22829	0.933	ug/l	89
10) Iodomethane	2.718	142	31191	0.850	ug/l	95
11) Allyl Chloride	2.920	41	28474	0.895	ug/l	98
12) Acrylonitrile	3.332	53	7523	1.637	ug/l	# 87
13) Acetone	2.641	43	46467	4.738	ug/l	97
14) Carbon Disulfide	2.789	76	72789	0.912	ug/l	100
15) Methylene Chloride	3.043	84	26364	0.914	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	23290	0.898	ug/l	93
17) 1,1-Dichloroethane	3.869	63	43726	0.907	ug/l	99
18) 2-Butanone	4.721	43	43672	4.133	ug/l	98
19) Cyclohexane	5.383	56	34576m	0.948	ug/l	
20) Methylcyclohexane	6.759	83	35072	0.821	ug/l	98
21) 2,2-Dichloropropane	4.657	77	37203	0.916	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	24248	0.877	ug/l	98
23) Diethyl Ether	2.374	59	12268	0.839	ug/l	94
24) tert-Butyl Alcohol	3.232	59	12657m	8.712	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	44846	0.852	ug/l	99
26) Bromochloromethane	4.975	128	10375	0.886	ug/l	96
27) Chloroform	5.084	83	44942	0.908	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	40138	0.905	ug/l	98
29) 1,1-Dichloropropene	5.525	75	30316	0.863	ug/l	99
30) Carbon Tetrachloride	5.522	117	35129	0.907	ug/l	98
31) Isopropyl Ether	3.988	45	55606	0.858	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	51845	0.829	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	45878	0.856	ug/l	97
34) Propionitrile	4.795	54	6681m	4.110	ug/l	
35) Benzene	5.772	78	94632	0.889	ug/l	98
36) 1,2-Dichloroethane	5.795	62	25645	0.888	ug/l	# 89
37) Trichloroethene	6.541	130	24377	0.881	ug/l	94
38) 1,2-Dichloropropane	6.788	63	24694	0.889	ug/l	96
39) Methacrylonitrile	4.985	41	5106	0.840	ug/l	# 86
40) Methyl acrylate	4.869	55	6705	0.668	ug/l	# 73
41) Tetrahydrofuran	5.075	42	6221	1.783	ug/l	# 87
42) 1-Chlorobutane	5.457	56	39097	0.835	ug/l	92
43) Dibromomethane	6.917	93	11895	0.901	ug/l	100
44) Bromodichloromethane	7.103	83	31307	0.897	ug/l	99

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	57018	4.175	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	9334m	1.985	ug/l	
47) Methyl methacrylate	6.962	69	17689	1.624	ug/l	96
48) Ethyl methacrylate	8.335	69	15143	0.732	ug/l	98
49) Toluene	7.968	92	52872	0.840	ug/l	99
50) t-1,3-Dichloropropene	8.210	75	25961	0.841	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	32507	0.860	ug/l	90
52) 1,1,2-Trichloroethane	8.399	97	16616	0.881	ug/l	95
53) 1,3-Dichloropropane	8.573	76	28671	0.889	ug/l	100
54) 2-Hexanone	8.685	43	60833	3.976	ug/l	99
55) Dibromochloromethane	8.808	129	19744	0.867	ug/l	96
56) 1,2-Dibromoethane	8.920	107	14454	0.839	ug/l	88
58) Tetrachloroethene	8.550	164	28029	0.974	ug/l	93
59) Chlorobenzene	9.447	112	62155	0.894	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	21796	0.879	ug/l	98
61) Pentachloroethane	11.425	117	14655	0.874	ug/l	97
62) Hexachloroethane	12.473	117	14448	0.814	ug/l	97
63) Ethyl Benzene	9.570	91	97124	0.823	ug/l	99
64) m/p-Xylenes	9.692	106	73815	1.627	ug/l	99
65) o-Xylene	10.097	106	37252	0.837	ug/l	100
66) Styrene	10.113	104	55662	0.800	ug/l	98
67) Bromoform	10.290	173	10004	0.818	ug/l	97
69) Isopropylbenzene	10.483	105	92968	0.811	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	19103	0.866	ug/l	95
71) 1,2,3-Trichloropropane	10.820	75	14301m	0.807	ug/l	
72) Bromobenzene	10.782	156	24824	0.908	ug/l	98
73) n-propylbenzene	10.904	120	22268	0.754	ug/l	99
74) 2-Chlorotoluene	10.984	126	23767	0.865	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	74998	0.765	ug/l	100
76) 4-Chlorotoluene	11.097	126	23490	0.839	ug/l	99
77) tert-Butylbenzene	11.418	119	69874	0.778	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	72237	0.745	ug/l	99
79) sec-Butylbenzene	11.640	105	81197	0.716	ug/l	97
80) Nitrobenzene	13.222	77	1963m	3.218	ug/l	
81) p-Isopropyltoluene	11.791	119	66138	0.724	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	48385	0.867	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	45222	0.837	ug/l	96
84) n-Butylbenzene	12.206	91	56834	0.730	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	43537	0.853	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.004	75	2601	0.826	ug/l	86
87) 1,2,4-Trichlorobenzene	13.840	180	21112	0.763	ug/l	95
88) Hexachlorobutadiene	14.016	225	16111	0.837	ug/l	97
89) Naphthalene	14.090	128	27074	0.642	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	18051	0.760	ug/l	98

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



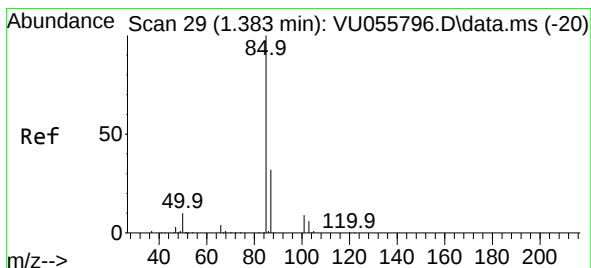
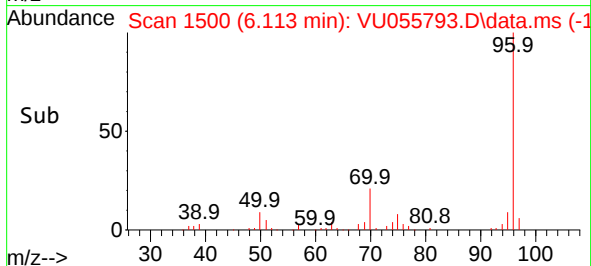
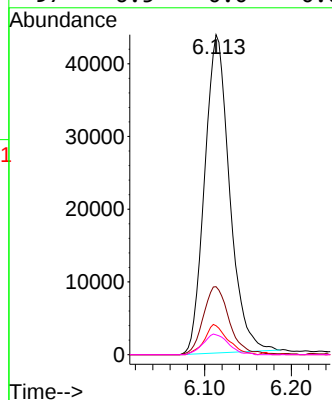
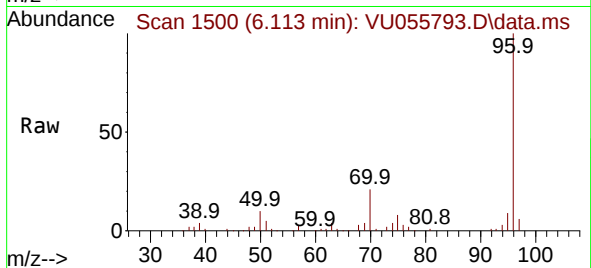
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 87700
Ion Ratio Lower Upper
96 100
70 21.8 16.5 24.7
95 8.8 7.4 11.0
97 6.5 0.0 0.0#

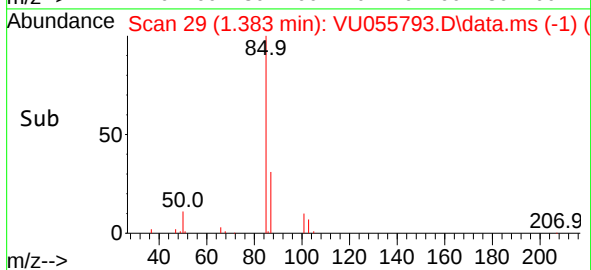
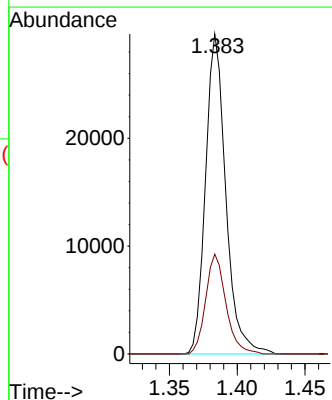
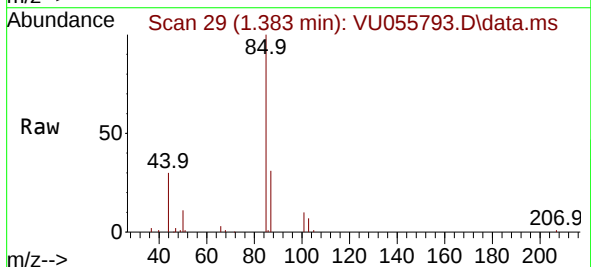
Manual Integrations
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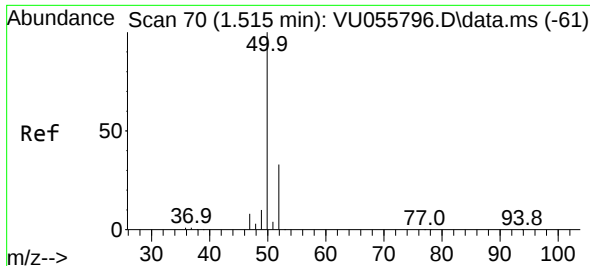
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 0.904 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

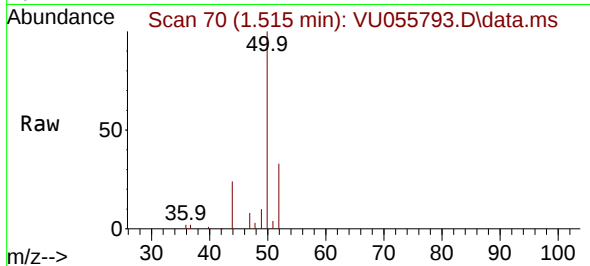
Tgt Ion: 85 Resp: 30794
Ion Ratio Lower Upper
85 100
87 31.2 16.2 48.6





#3
Chloromethane
Concen: 0.939 ug/l
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

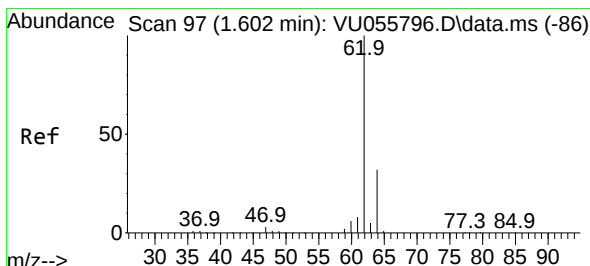
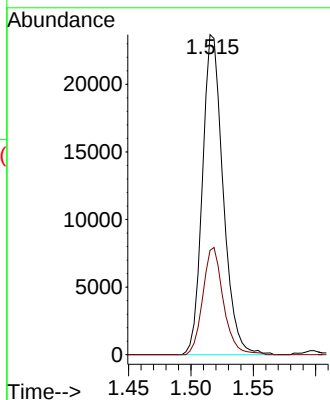
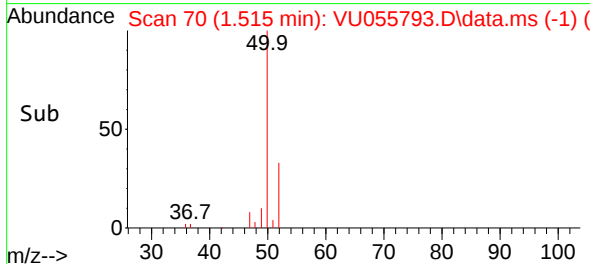
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



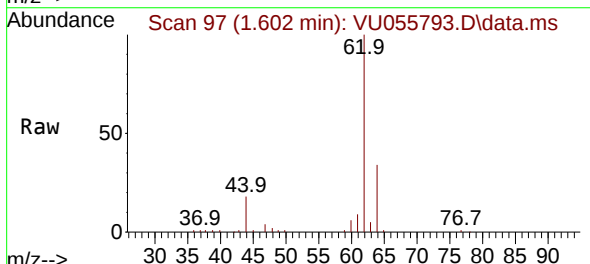
Tgt Ion: 50 Resp: 27330
Ion Ratio Lower Upper
50 100
52 32.6 26.6 40.0

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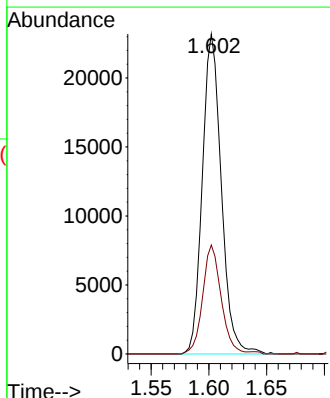
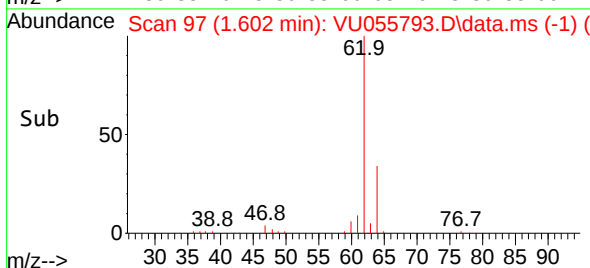
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

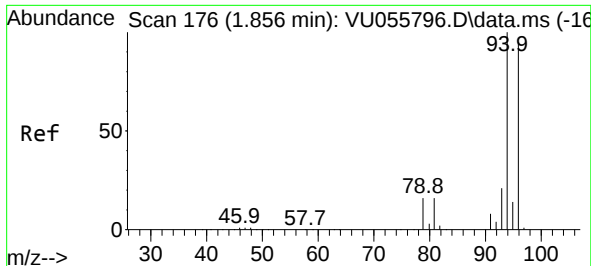


#4
Vinyl Chloride
Concen: 0.890 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



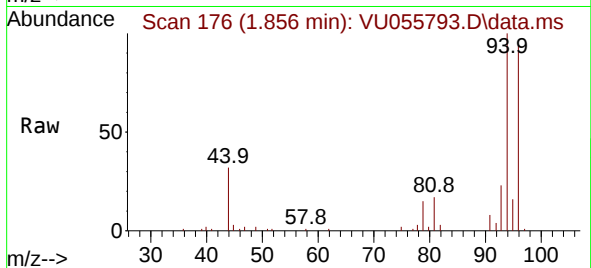
Tgt Ion: 62 Resp: 26544
Ion Ratio Lower Upper
62 100
64 34.0 25.4 38.2





#5
Bromomethane
Concen: 0.918 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

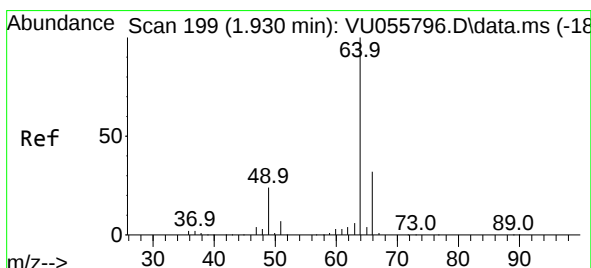
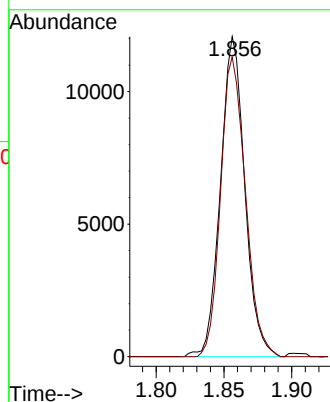
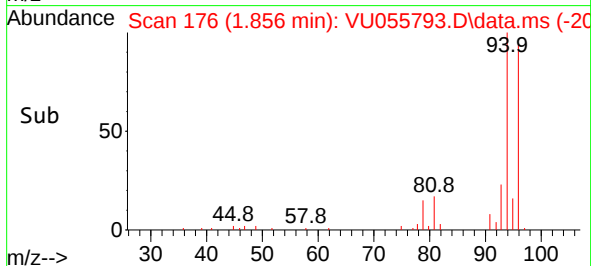
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 94 Resp: 1506
Ion Ratio Lower Upper
94 100
96 93.7 75.4 113.2

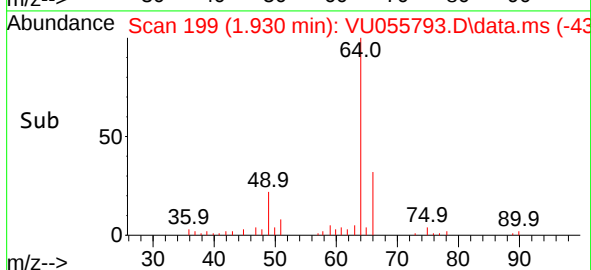
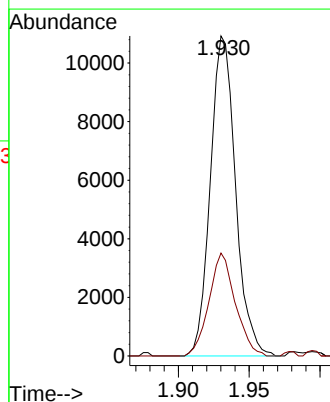
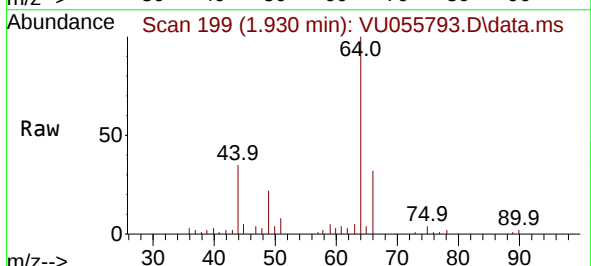
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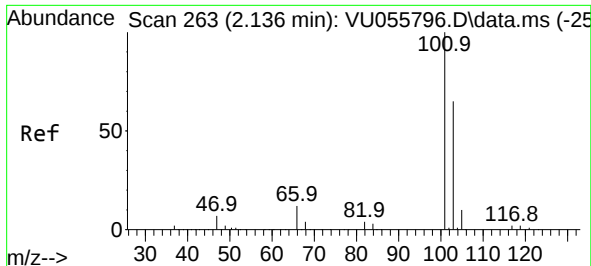
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 0.937 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion: 64 Resp: 13535
Ion Ratio Lower Upper
64 100
66 32.1 26.0 39.0





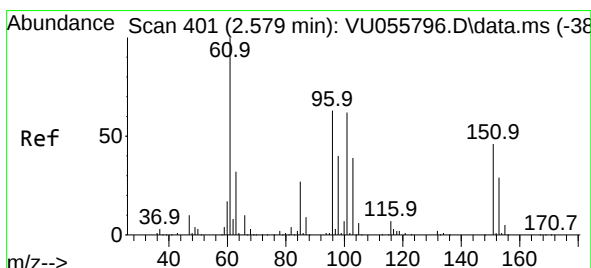
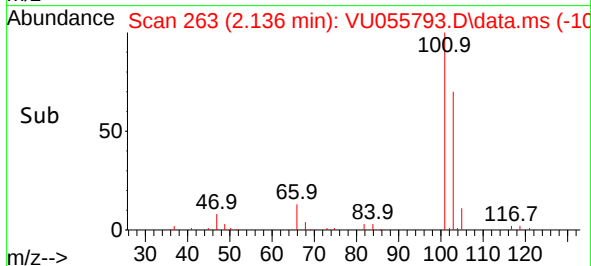
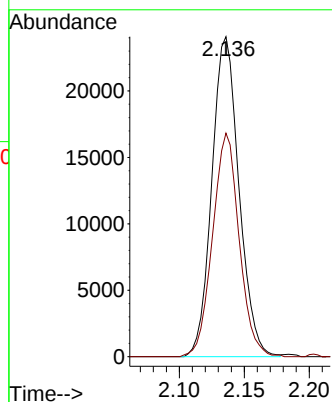
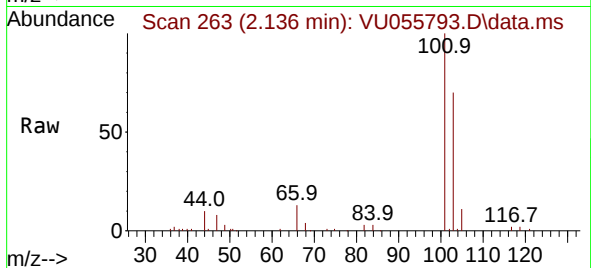
#7
 Trichlorofluoromethane
 Concen: 0.888 ug/l
 RT: 2.136 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 34924
 Ion Ratio Lower Upper
 101 100
 103 69.8 51.4 77.0

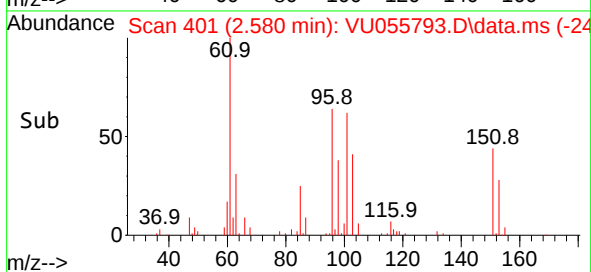
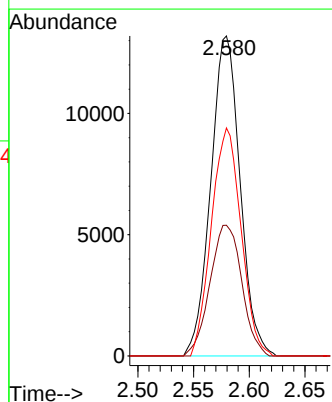
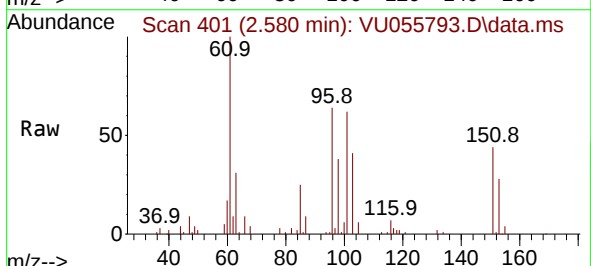
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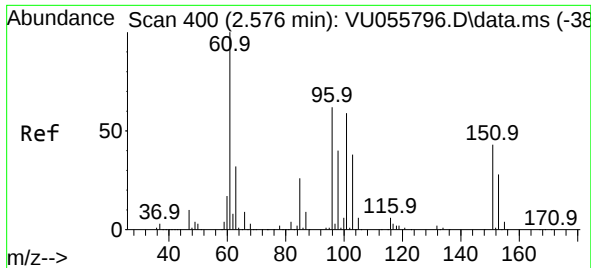
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.922 ug/l
 RT: 2.580 min Scan# 401
 Delta R.T. 0.001 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

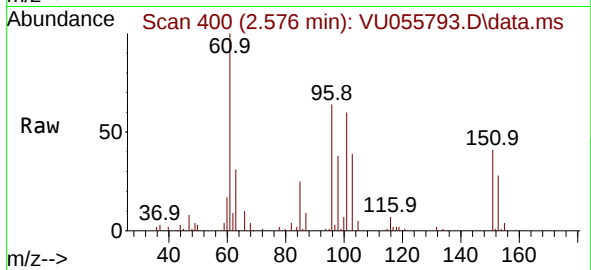
Tgt Ion:101 Resp: 24179
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.4 53.0
 151 72.0 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.933 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

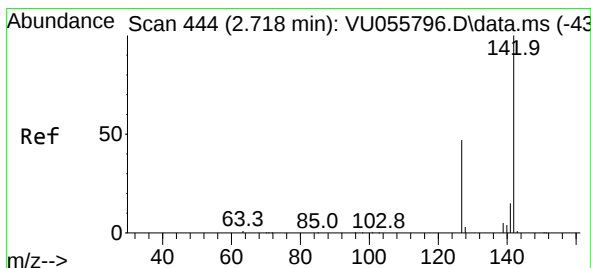
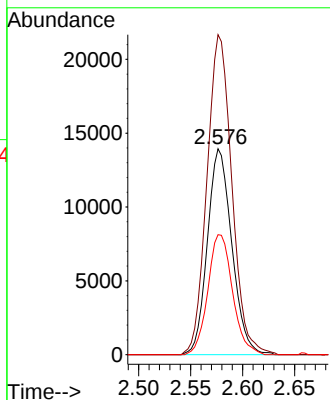
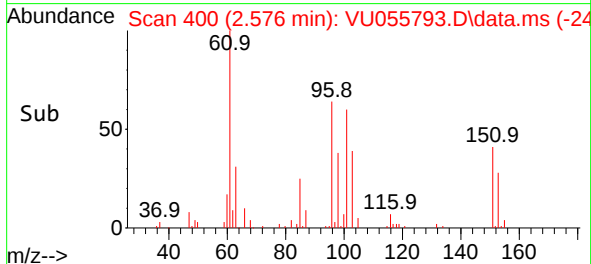
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



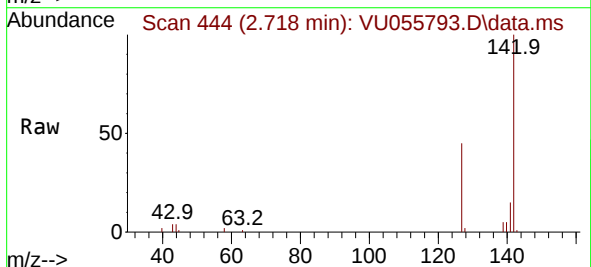
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Ion Ratio Lower Upper
96 100
61 155.4 0.0 521.4
98 58.3 0.0 125.8

Manual Integrations
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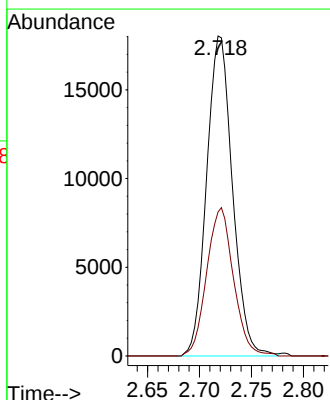
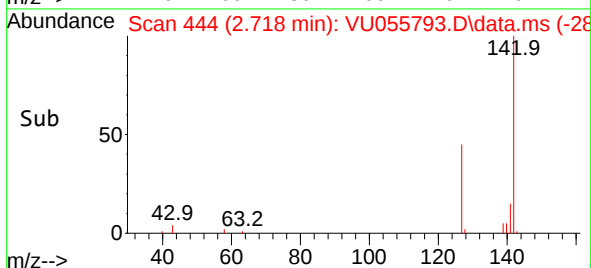
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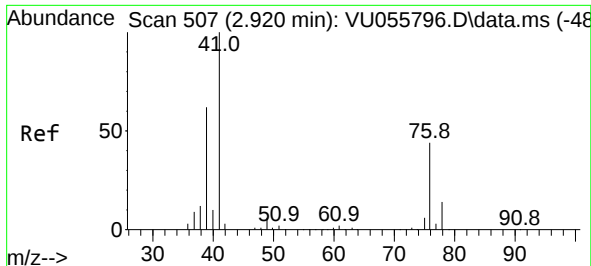


#10
Iodomethane
Concen: 0.850 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



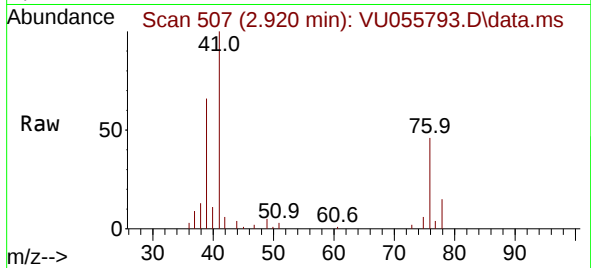
Tgt Ion:142 Resp: 31191
Ion Ratio Lower Upper
142 100
127 48.1 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.895 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

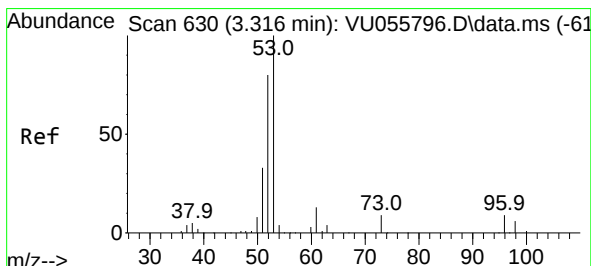
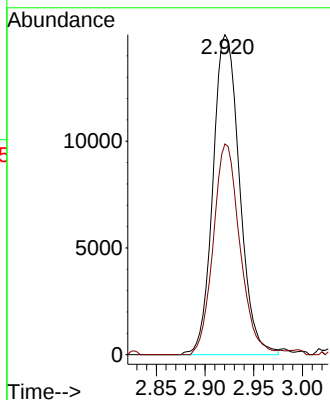
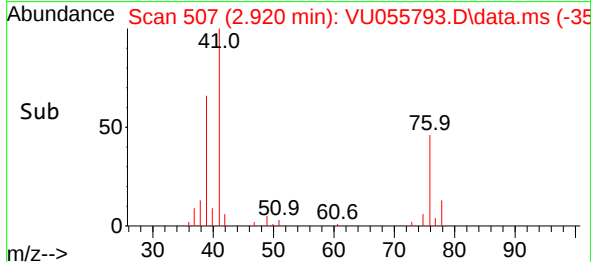
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001



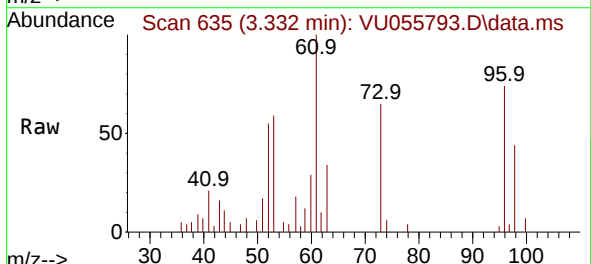
Tgt Ion: 41 Resp: 28474
 Ion Ratio Lower Upper
 41 100
 39 66.4 54.2 81.2

Manual Integrations
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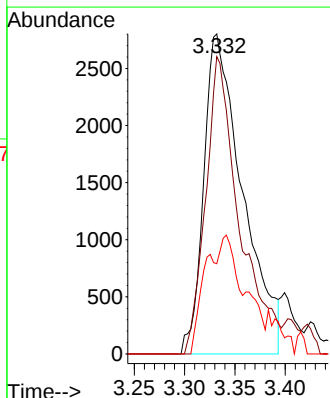
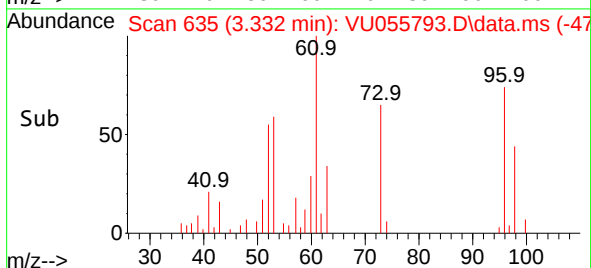
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

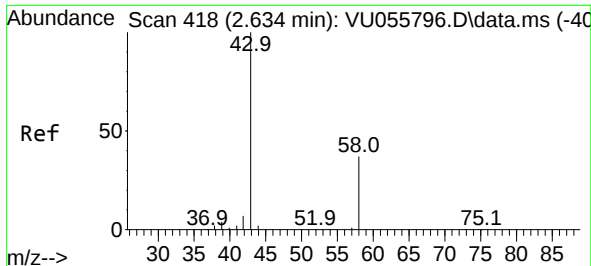


#12
 Acrylonitrile
 Concen: 1.637 ug/l
 RT: 3.332 min Scan# 635
 Delta R.T. 0.016 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01



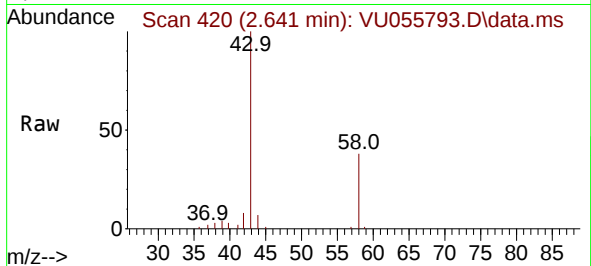
Tgt Ion: 53 Resp: 7523
 Ion Ratio Lower Upper
 53 100
 52 81.0 62.9 94.3
 51 13.2 27.8 41.6#





#13
Acetone
Concen: 4.738 ug/l
RT: 2.641 min Scan# 418
Delta R.T. 0.007 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

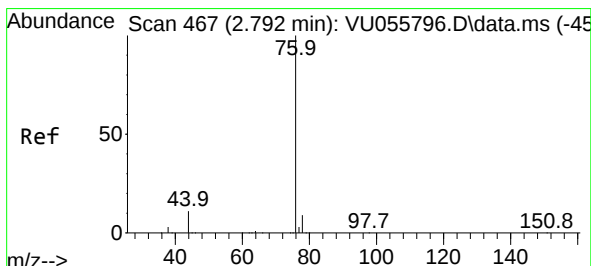
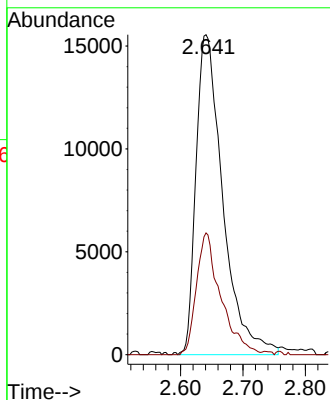
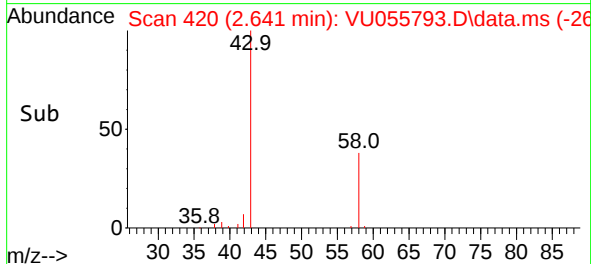
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 4646
Ion Ratio Lower Upper
43 100
58 38.0 29.0 43.4

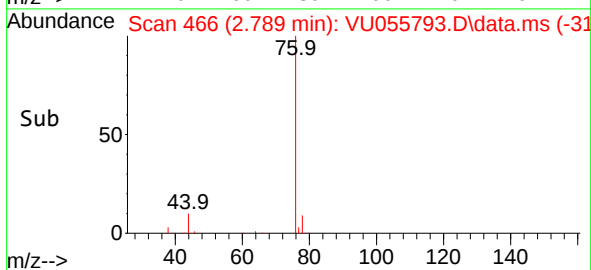
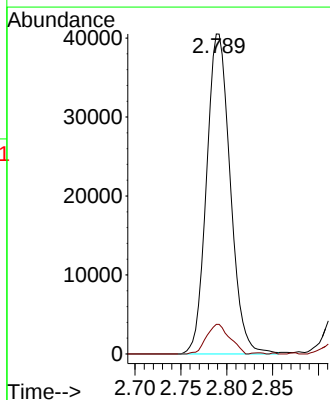
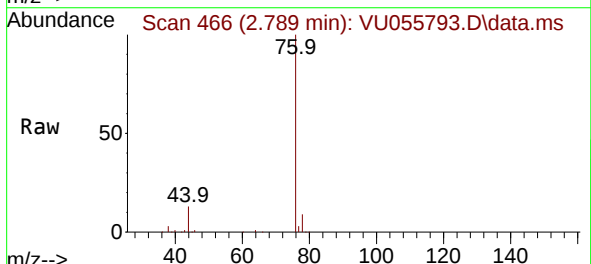
Manual Integrations
APPROVED

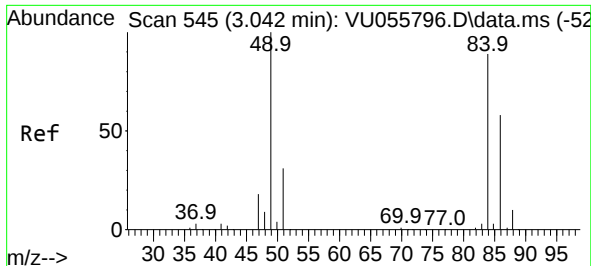
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#14
Carbon Disulfide
Concen: 0.912 ug/l
RT: 2.789 min Scan# 466
Delta R.T. -0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

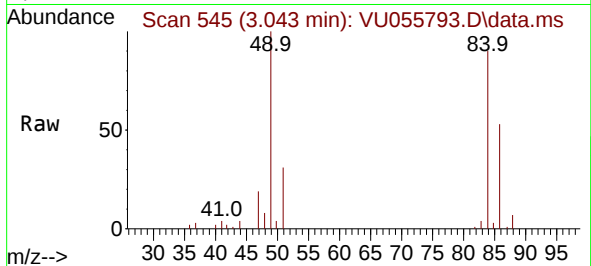
Tgt Ion: 76 Resp: 72789
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#15
Methylene Chloride
Concen: 0.914 ug/l
RT: 3.043 min Scan# 545
Delta R.T. 0.001 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

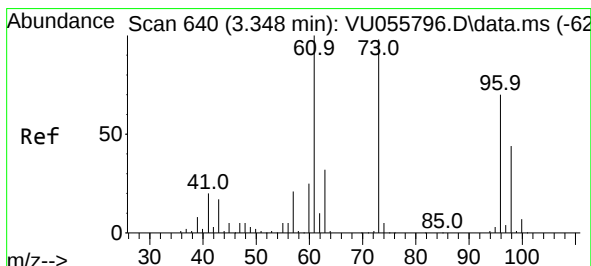
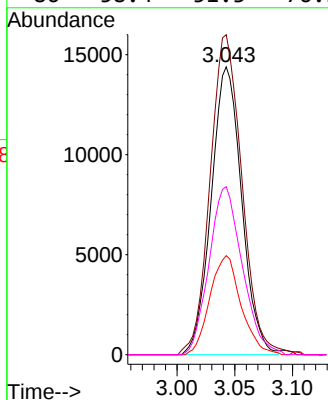
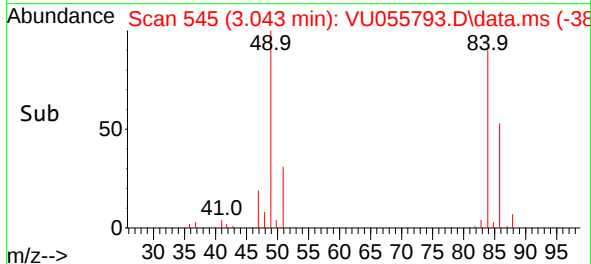
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion:	84	Resp:	2636
Ion	Ratio	Lower	Upper
84	100		
49	111.2	98.9	148.3
51	34.4	0.0	75.4
86	58.4	51.3	76.9

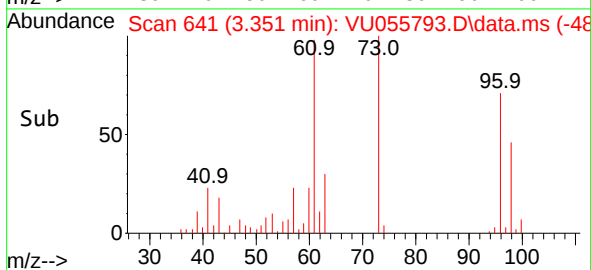
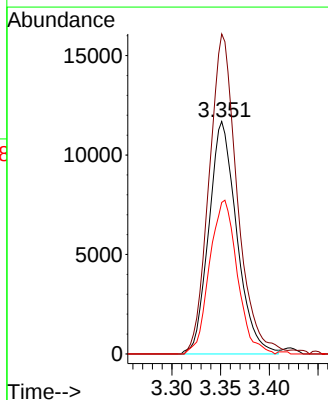
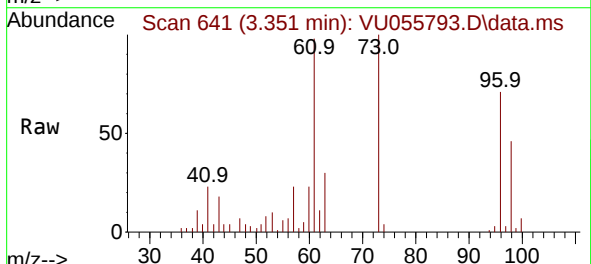
Manual Integrations
APPROVED

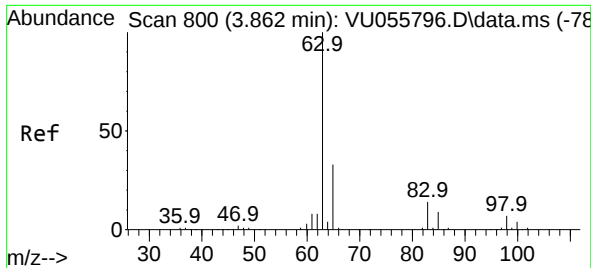
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#16
trans-1,2-Dichloroethene
Concen: 0.898 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:	96	Resp:	23290
Ion	Ratio	Lower	Upper
96	100		
61	137.7	117.5	176.3
98	65.2	48.3	72.5





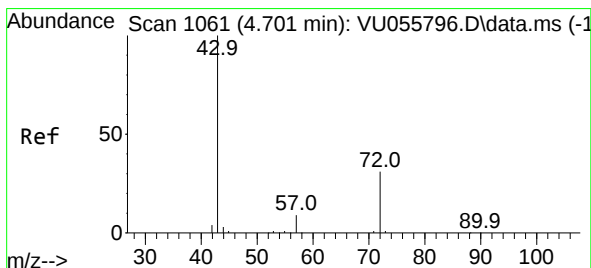
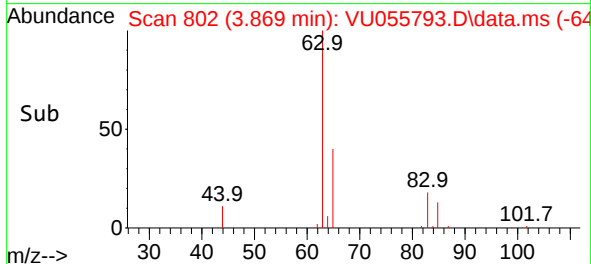
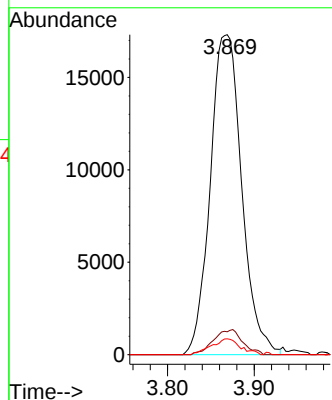
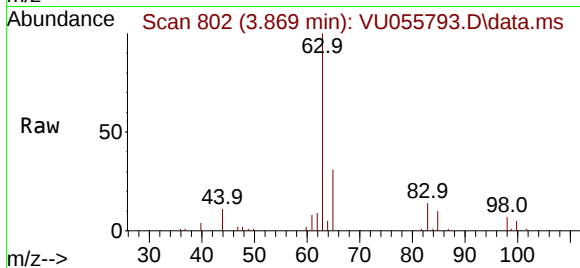
#17
1,1-Dichloroethane
Concen: 0.907 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 63 Resp: 43720
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.1
100 5.0 2.2 6.6

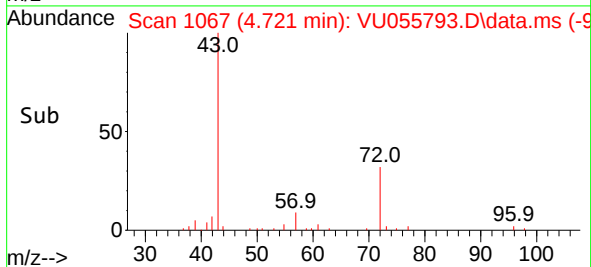
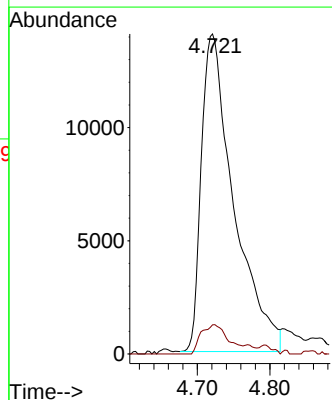
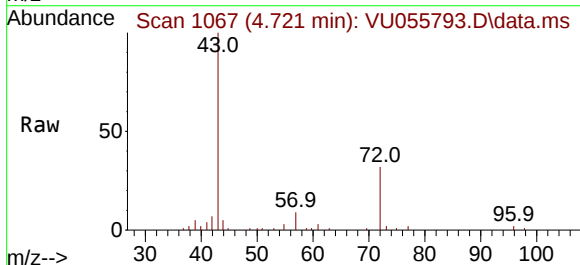
Manual Integrations
APPROVED

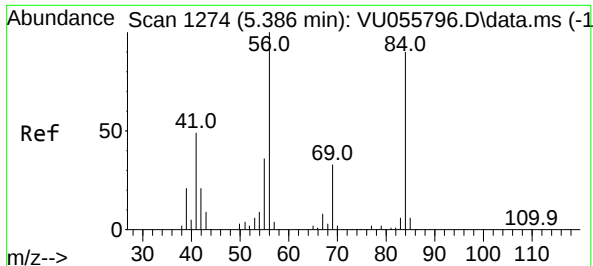
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 4.133 ug/l
RT: 4.721 min Scan# 1067
Delta R.T. 0.020 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion: 43 Resp: 43672
Ion Ratio Lower Upper
43 100
57 9.2 0.0 19.6





#19

Cyclohexane

Concen: 0.948 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 56 Resp: 34570

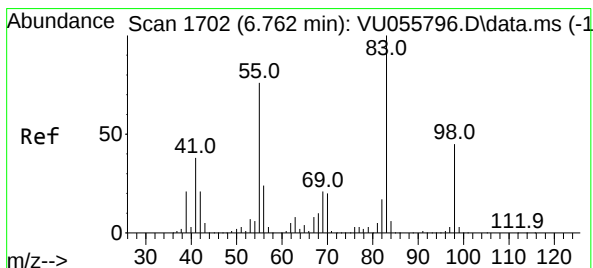
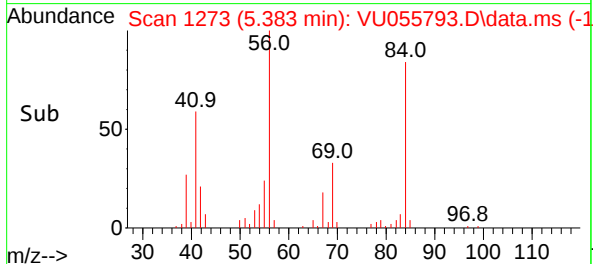
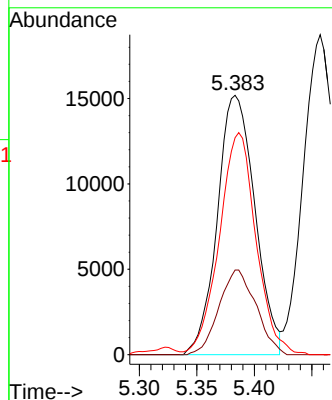
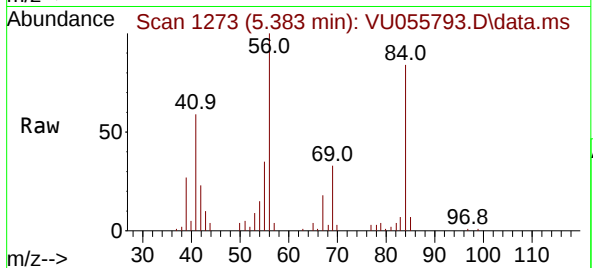
Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.6	37.0
84	82.0	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.821 ug/l

RT: 6.759 min Scan# 1701

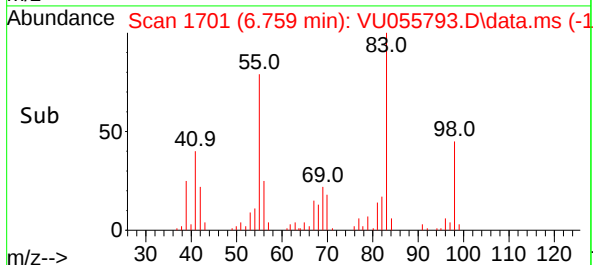
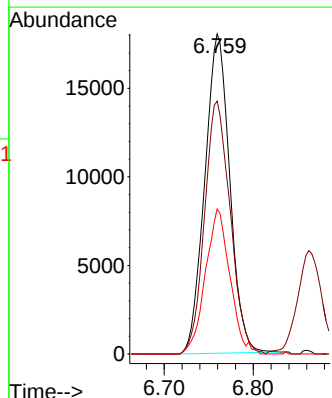
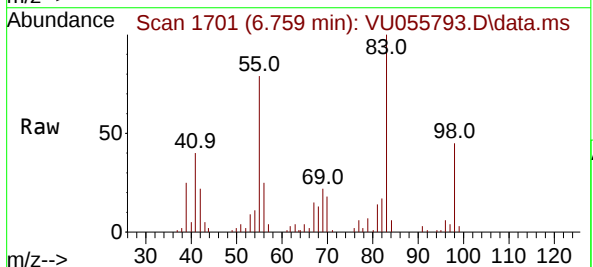
Delta R.T. -0.003 min

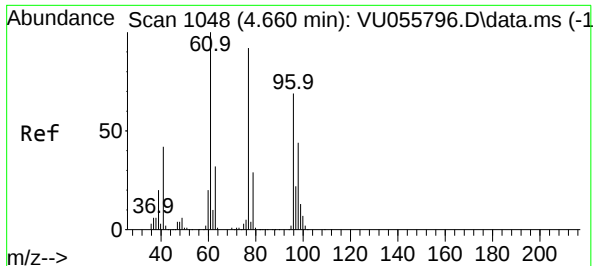
Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Tgt Ion: 83 Resp: 35072

Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.5	95.3
98	44.6	36.0	54.0





#21

2,2-Dichloropropane

Concen: 0.916 ug/l

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 3720

Ion Ratio Lower Upper

77 100

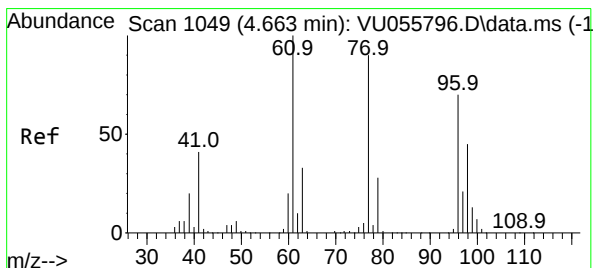
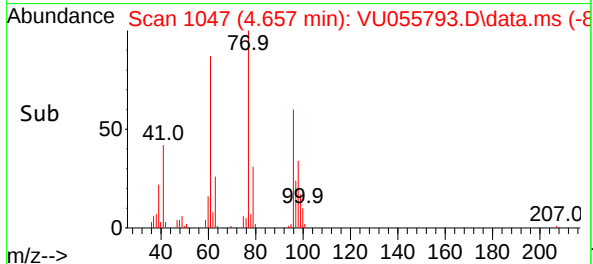
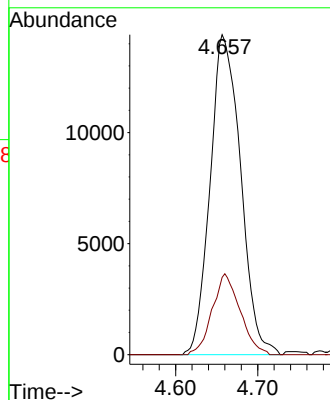
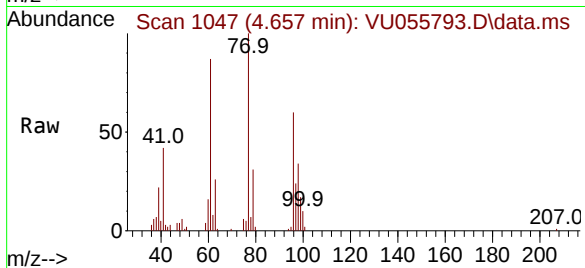
97 23.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#22

cis-1,2-Dichloroethene

Concen: 0.877 ug/l

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

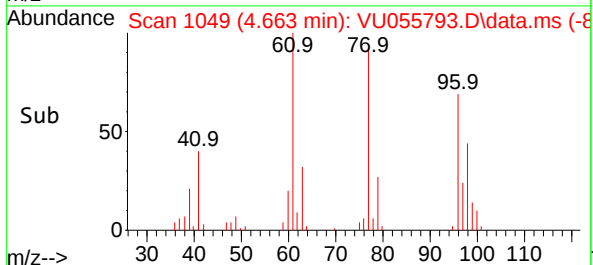
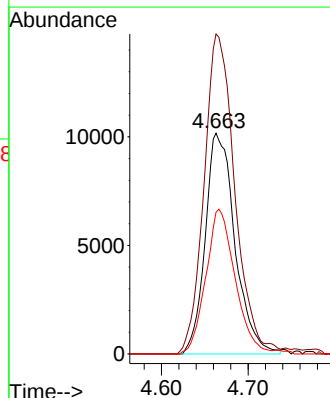
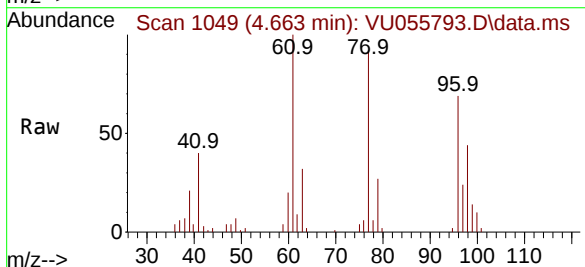
Tgt Ion: 96 Resp: 24248

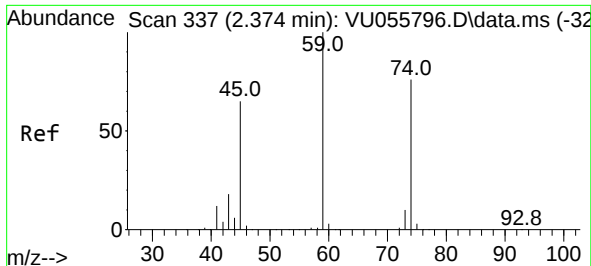
Ion Ratio Lower Upper

96 100

61 149.8 0.0 365.8

98 64.6 32.0 96.0





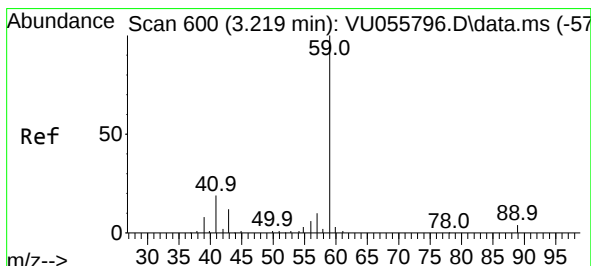
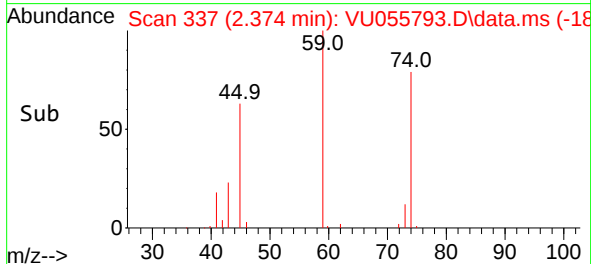
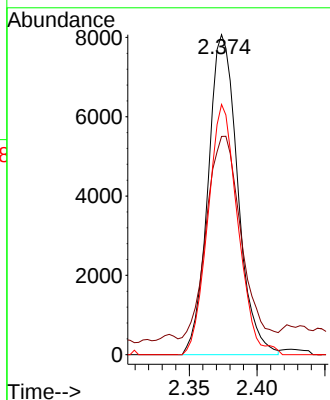
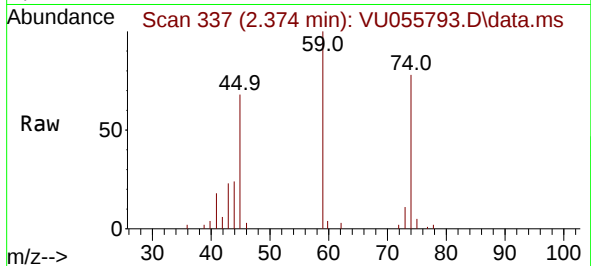
#23
Diethyl Ether
Concen: 0.839 ug/l
RT: 2.374 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 12268
Ion Ratio Lower Upper
59 100
45 72.5 56.1 84.1
74 78.8 57.4 86.2

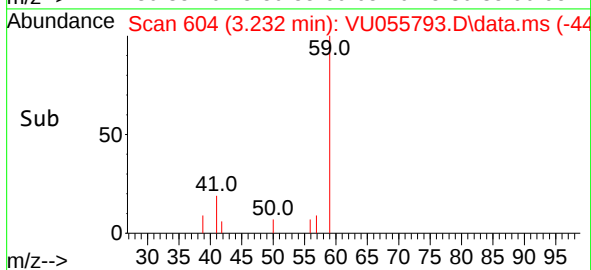
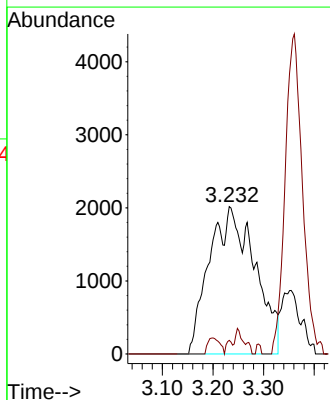
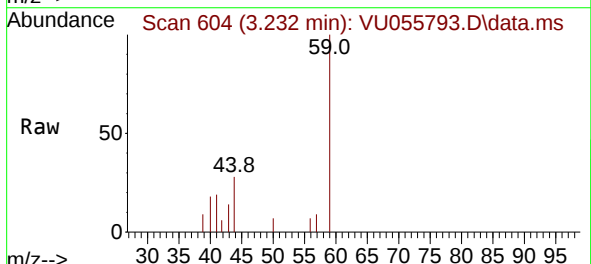
Manual Integrations
APPROVED

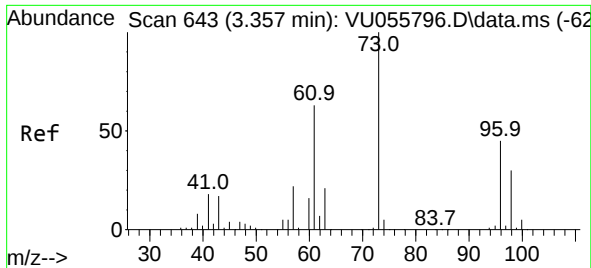
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 8.712 ug/l m
RT: 3.232 min Scan# 604
Delta R.T. 0.013 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

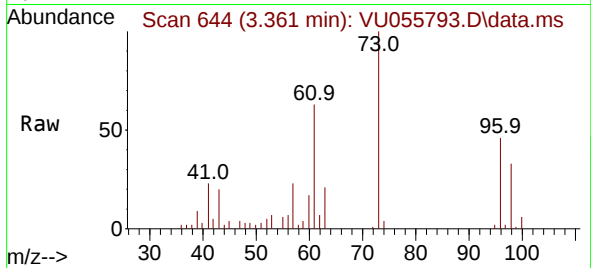
Tgt Ion: 59 Resp: 12657
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.852 ug/l
RT: 3.361 min Scan# 643
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

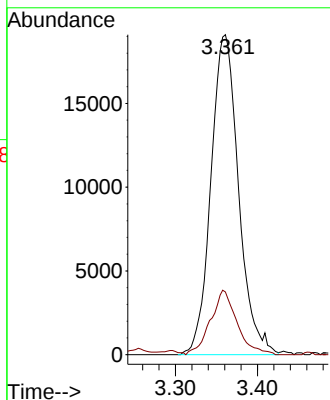
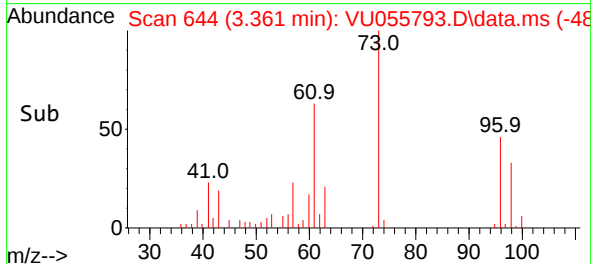
Instrument :
MSVOA_U
Client Sample Id :
VSTDIC001



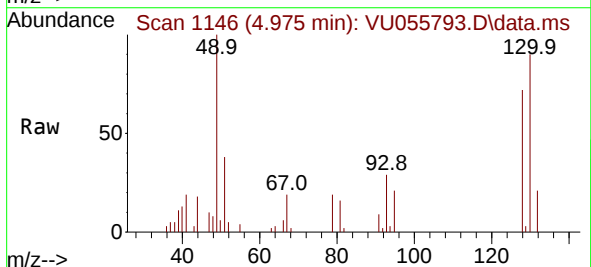
Tgt Ion: 73 Resp: 4484
Ion Ratio Lower Upper
73 100
43 19.3 15.0 22.6

Manual Integrations
APPROVED

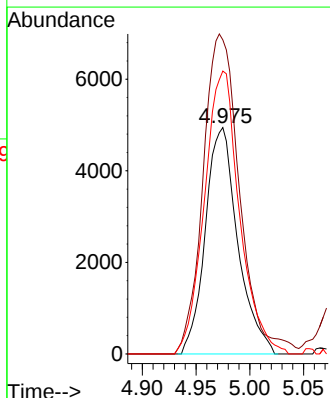
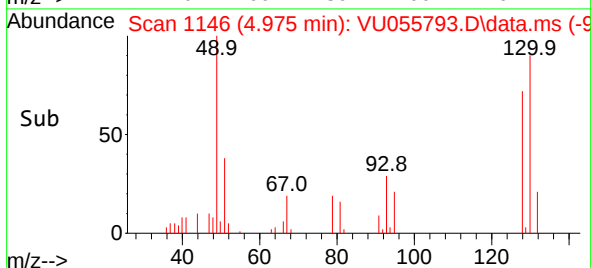
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

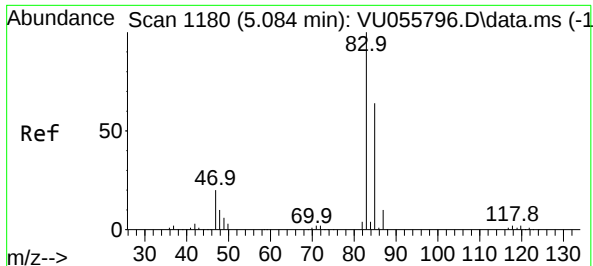


#26
Bromochloromethane
Concen: 0.886 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion:128 Resp: 10375
Ion Ratio Lower Upper
128 100
49 159.8 0.0 324.6
130 135.6 103.0 154.4





#27

Chloroform

Concen: 0.908 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 4494

Ion Ratio Lower Upper

83 100

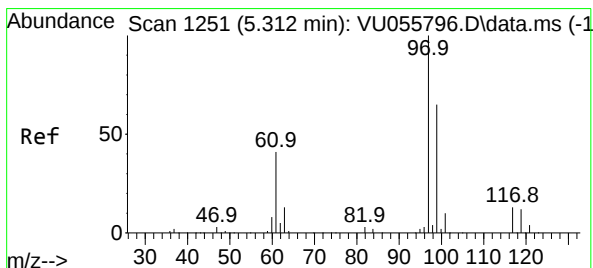
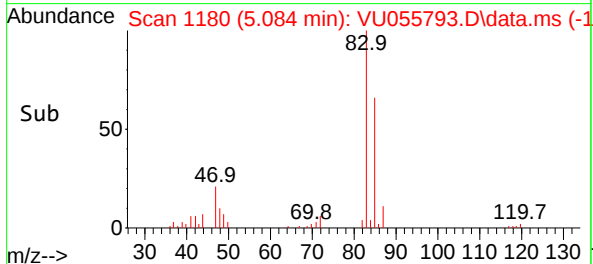
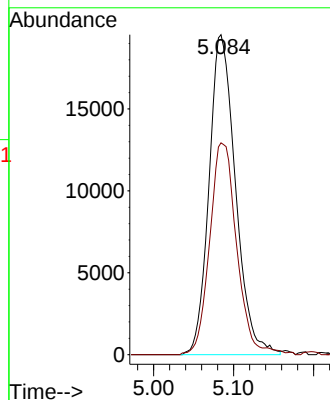
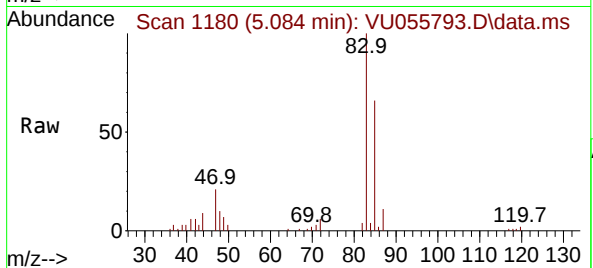
85 66.2 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.905 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

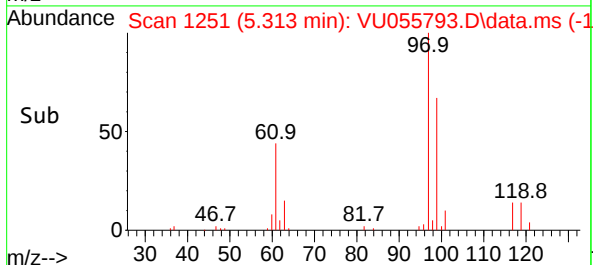
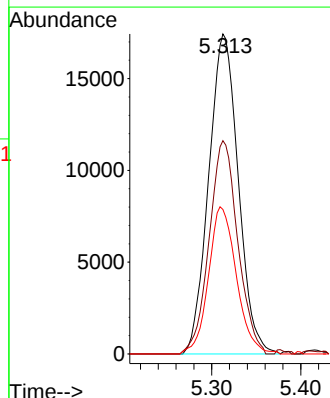
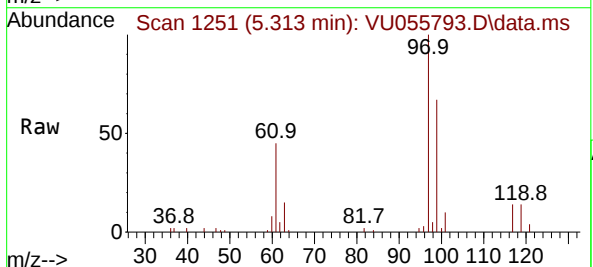
Tgt Ion: 97 Resp: 40138

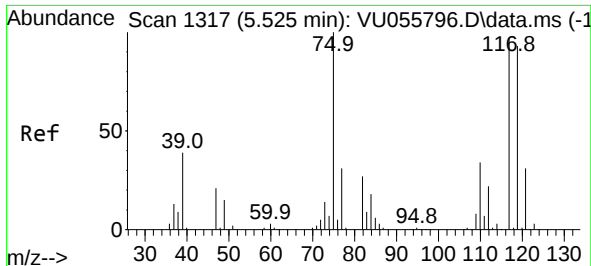
Ion Ratio Lower Upper

97 100

99 64.6 32.0 96.2

61 43.5 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.863 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

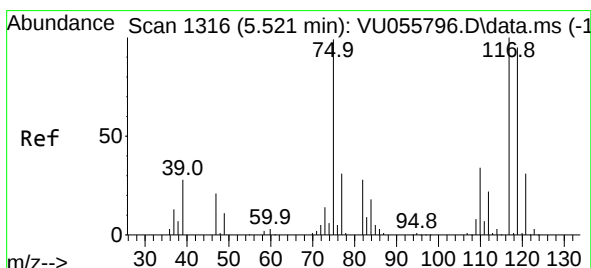
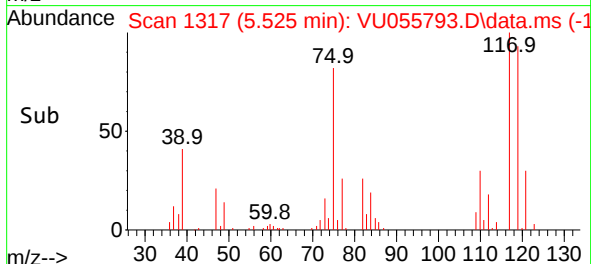
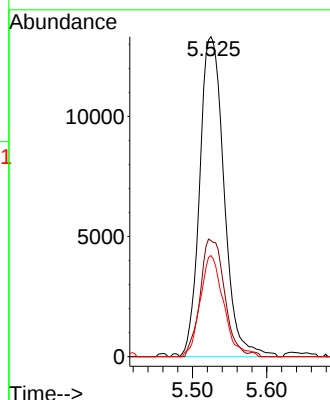
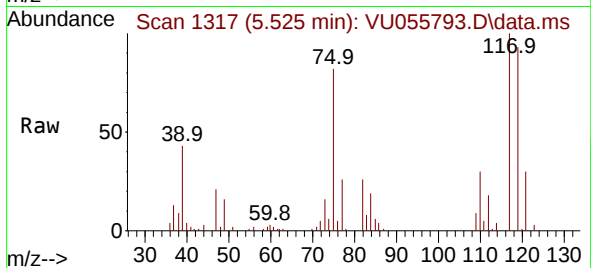
Tgt Ion: 75 Resp: 30310
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.0 54.0
 77 30.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.907 ug/l

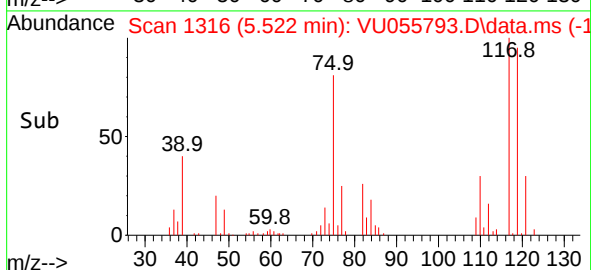
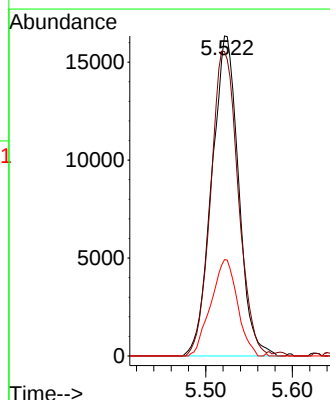
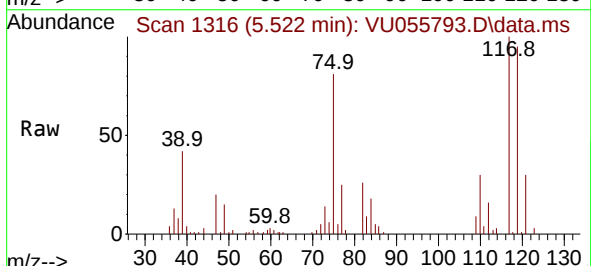
RT: 5.522 min Scan# 1316

Delta R.T. 0.001 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

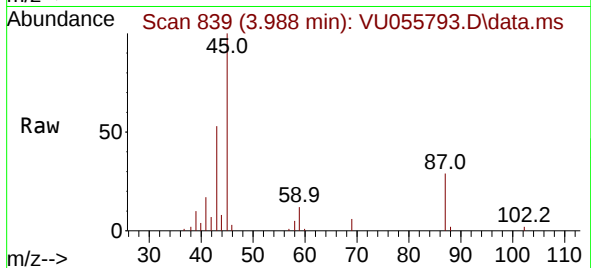
Tgt Ion:117 Resp: 35129
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.4 116.0
 121 29.9 24.0 36.0





#31
Isopropyl Ether
Concen: 0.858 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

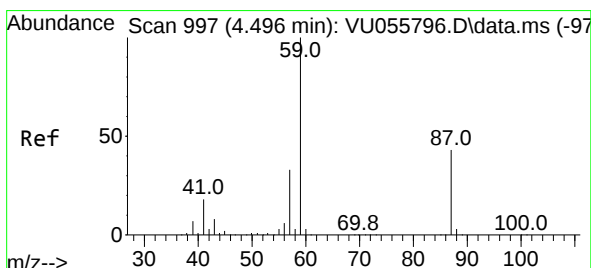
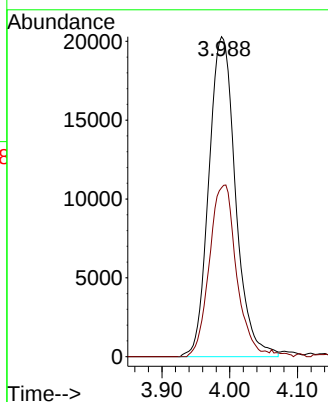
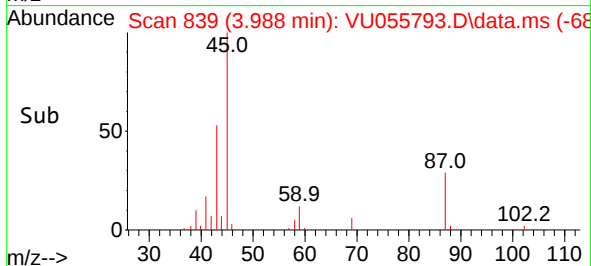
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



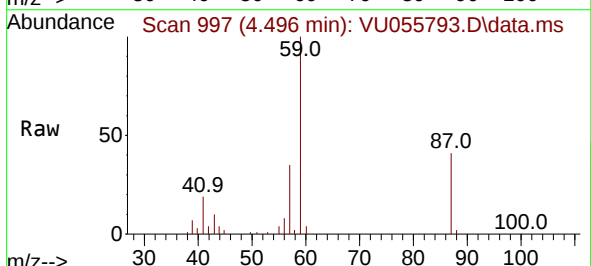
Tgt Ion: 45 Resp: 55600
Ion Ratio Lower Upper
45 100
43 54.2 27.5 82.5

Manual Integrations
APPROVED

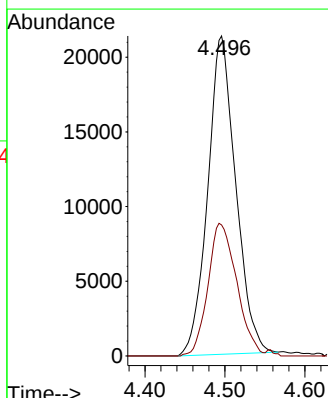
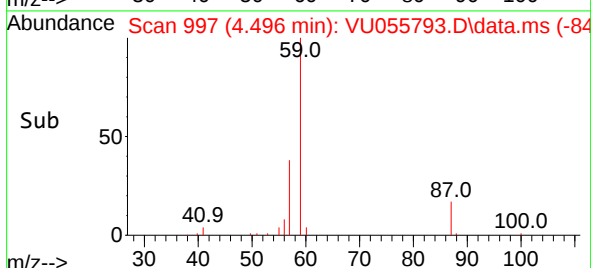
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

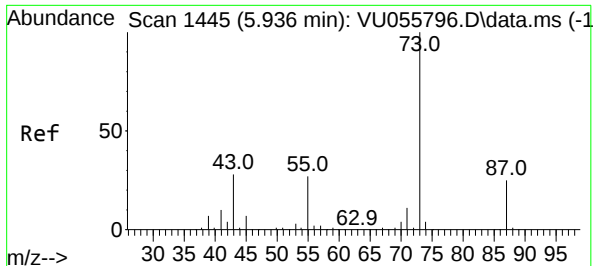


#32
Ethyl-t-butyl ether
Concen: 0.829 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion: 59 Resp: 51845
Ion Ratio Lower Upper
59 100
87 41.5 33.5 50.3





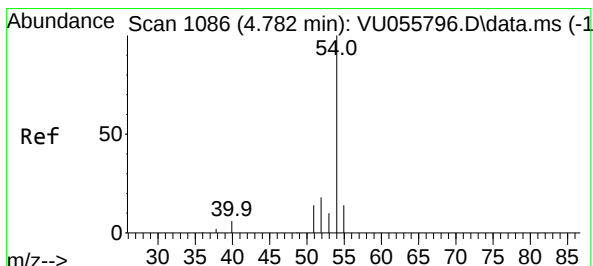
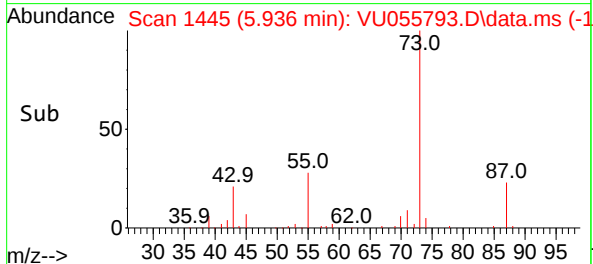
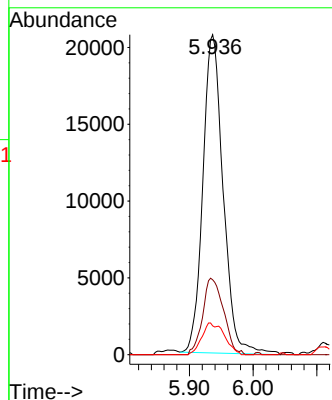
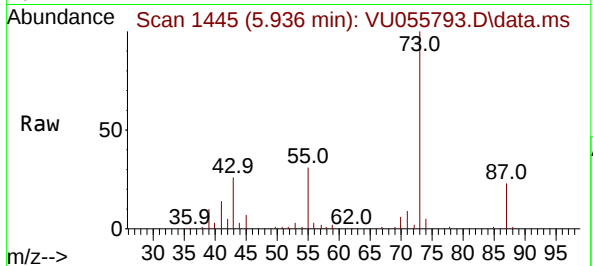
#33
Tert-Amyl methyl ether
Concen: 0.856 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 45878
Ion Ratio Lower Upper
73 100
87 24.6 18.6 28.0
71 11.1 9.9 14.9

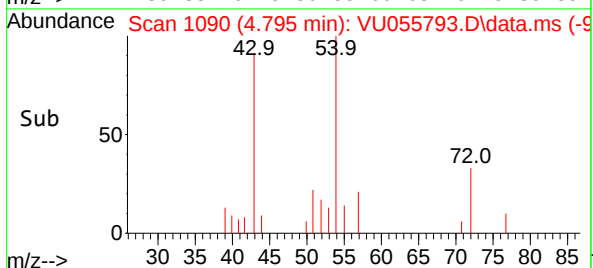
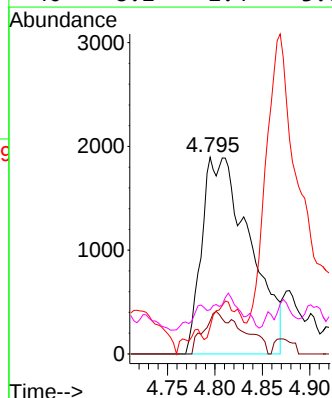
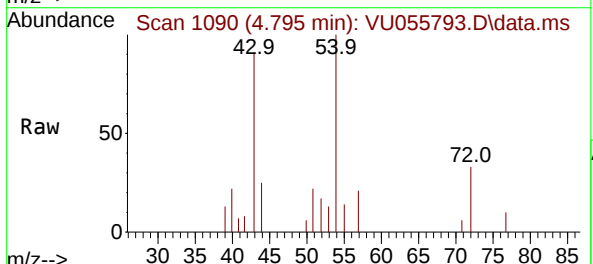
Manual Integrations
APPROVED

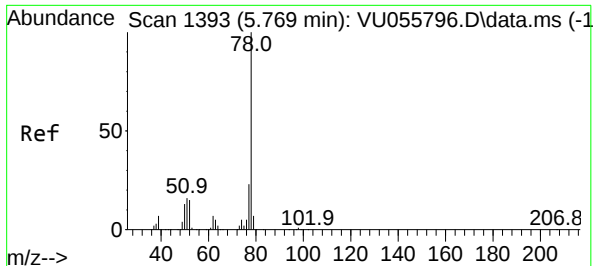
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#34
Propionitrile
Concen: 4.110 ug/l m
RT: 4.795 min Scan# 1090
Delta R.T. 0.013 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion: 54 Resp: 6681
Ion Ratio Lower Upper
54 100
52 10.0 17.4 26.0#
55 9.8 104.1 156.1#
40 8.2 2.4 3.6#





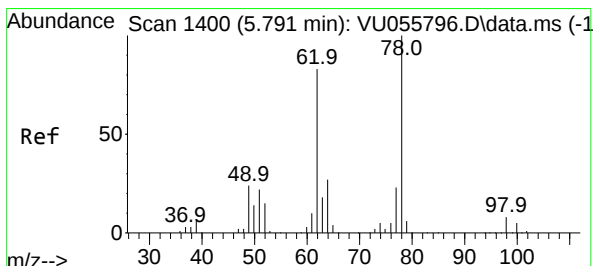
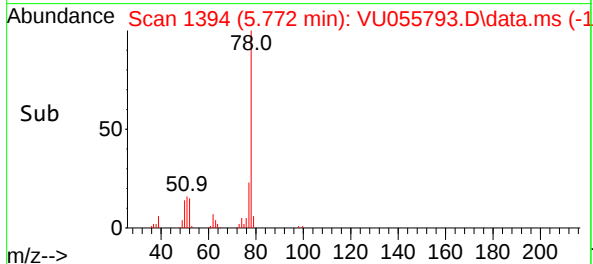
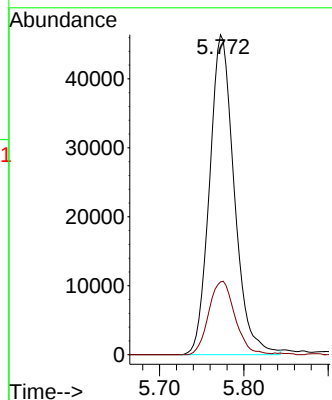
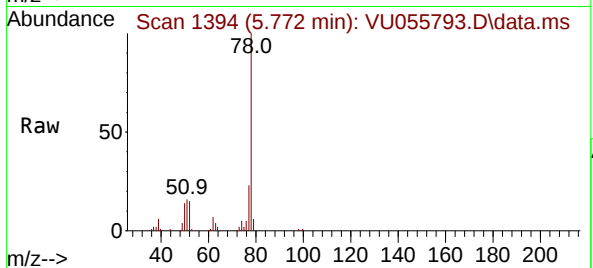
#35
Benzene
Concen: 0.889 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 78 Resp: 9463
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3

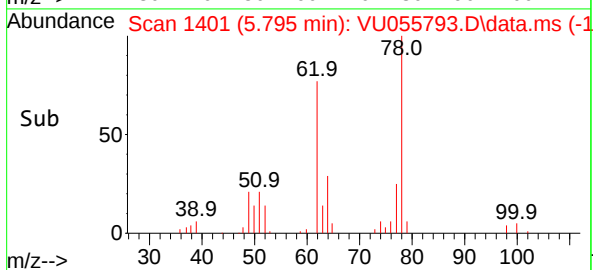
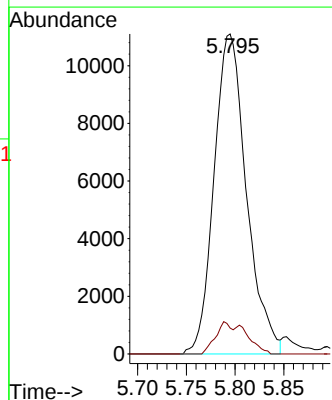
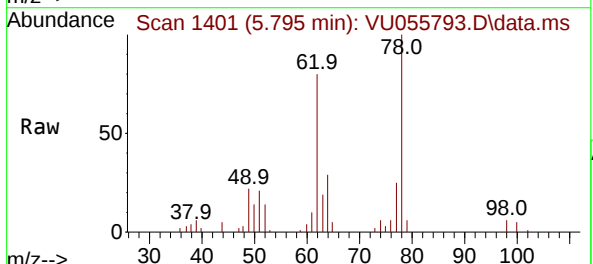
Manual Integrations
APPROVED

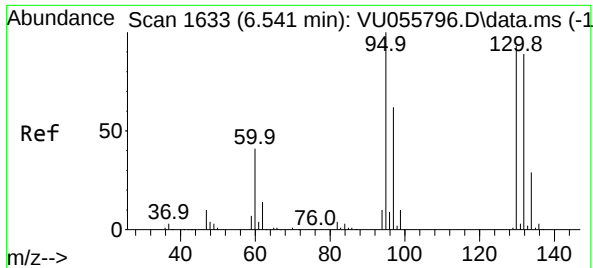
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 0.888 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion: 62 Resp: 25645
Ion Ratio Lower Upper
62 100
98 5.2 7.3 10.9#





#37
 Trichloroethene
 Concen: 0.881 ug/l
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

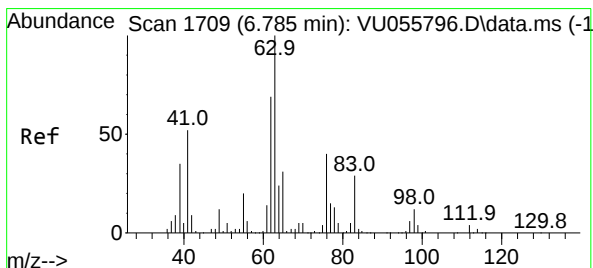
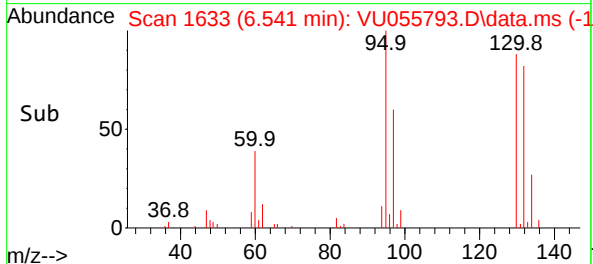
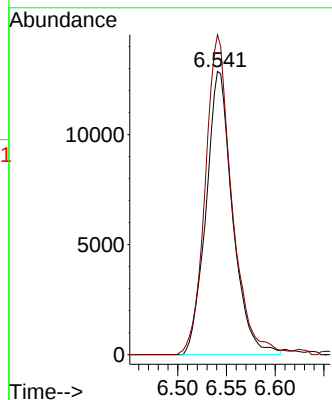
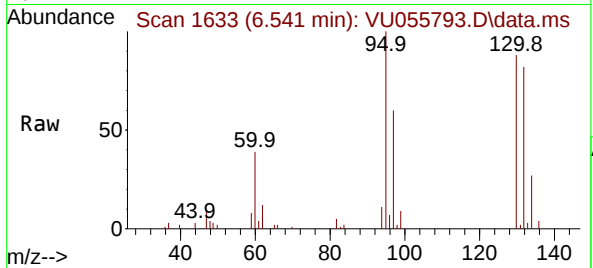
VSTDIC001

Tgt Ion:130 Resp: 2437
 Ion Ratio Lower Upper
 130 100
 95 112.2 85.0 127.6

Manual Integrations

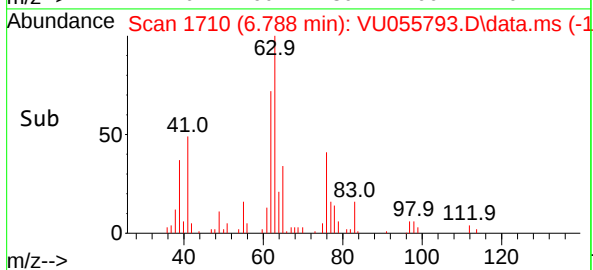
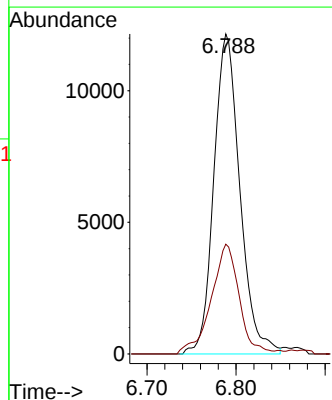
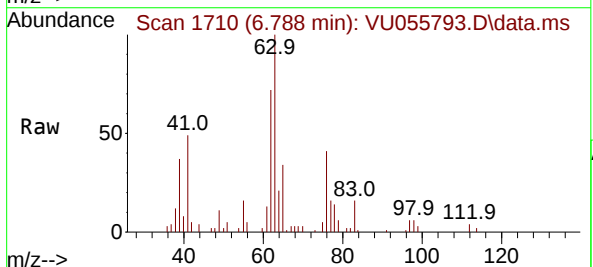
APPROVED

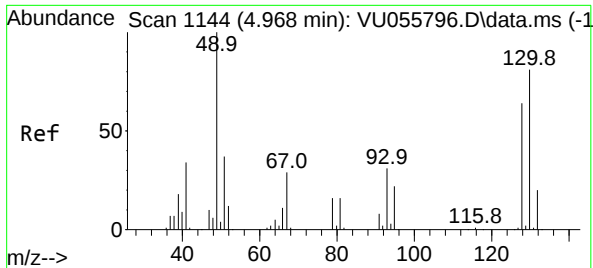
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#38
 1,2-Dichloropropane
 Concen: 0.889 ug/l
 RT: 6.788 min Scan# 1710
 Delta R.T. 0.003 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

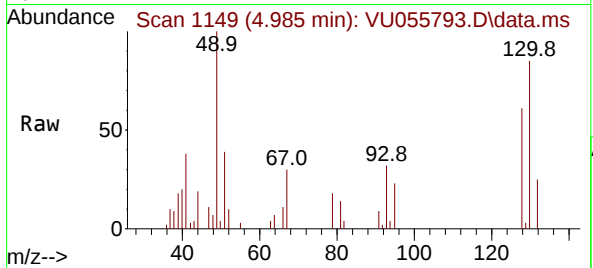
Tgt Ion: 63 Resp: 24694
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.9 37.3





#39
Methacrylonitrile
Concen: 0.840 ug/l
RT: 4.985 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

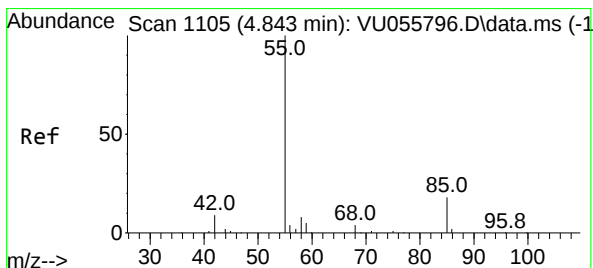
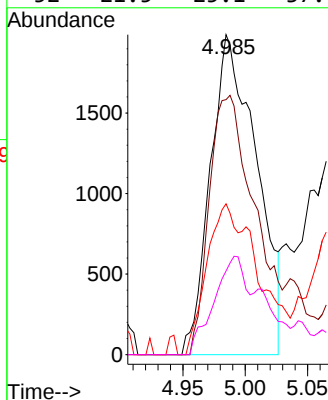
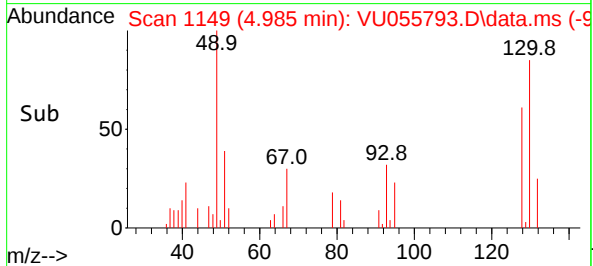
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



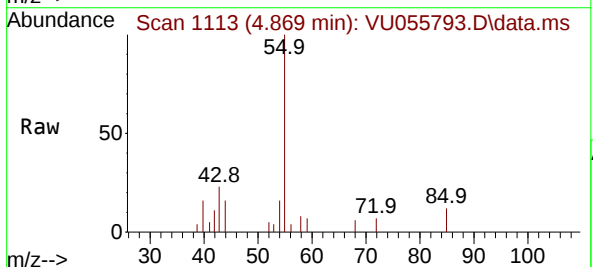
Tgt Ion: 41 Resp: 5100
Ion Ratio Lower Upper
41 100
67 81.0 66.8 100.2
39 30.4 41.2 61.8
52 21.5 25.1 37.7#

Manual Integrations
APPROVED

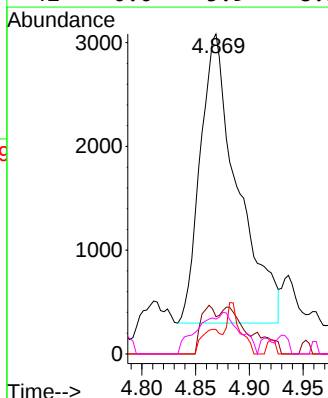
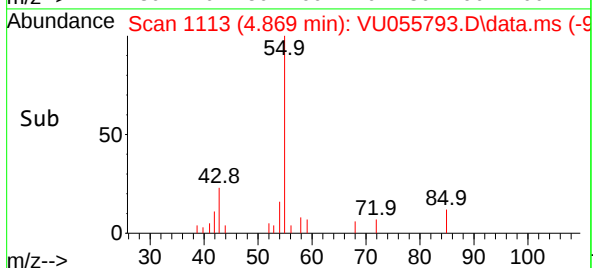
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

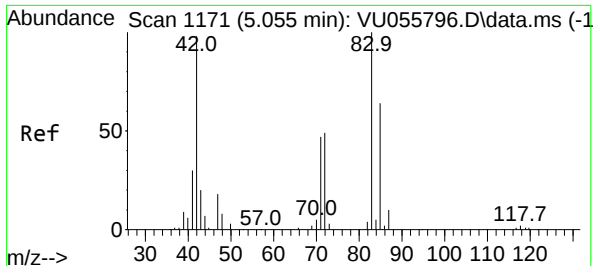


#40
Methyl acrylate
Concen: 0.668 ug/l
RT: 4.869 min Scan# 1113
Delta R.T. 0.026 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion: 55 Resp: 6705
Ion Ratio Lower Upper
55 100
85 0.0 13.3 19.9#
58 4.5 6.5 9.7#
42 0.0 5.9 8.9#





#41

Tetrahydrofuran

Concen: 1.783 ug/l

RT: 5.075 min Scan# 1171

Delta R.T. 0.020 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

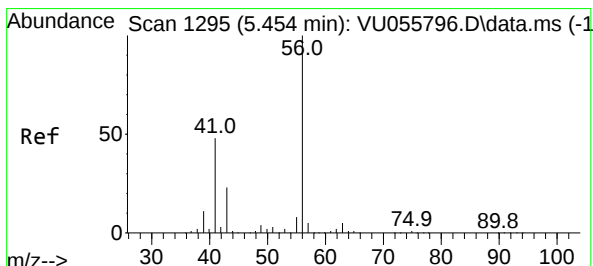
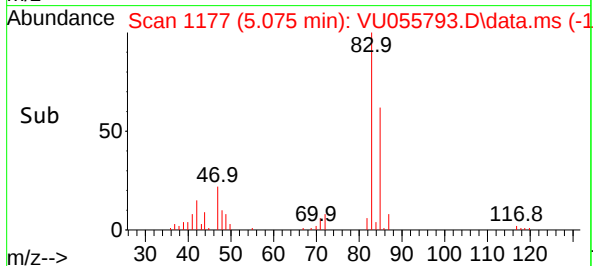
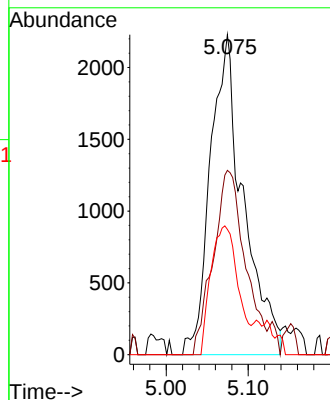
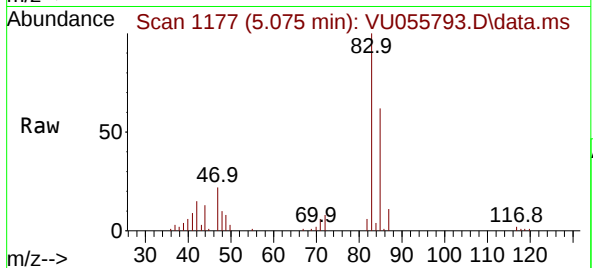
Tgt Ion: 42	Resp: 622
Ion Ratio	Lower Upper
42	100
72	55.9 40.9 61.3
71	33.4 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 0.835 ug/l

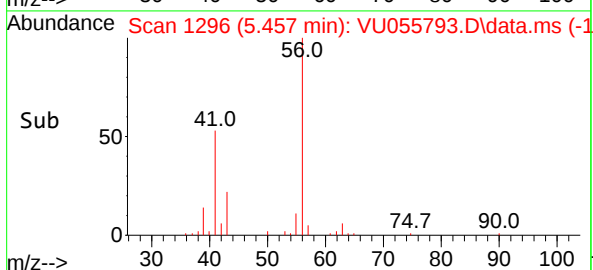
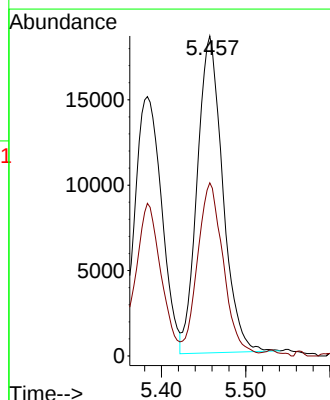
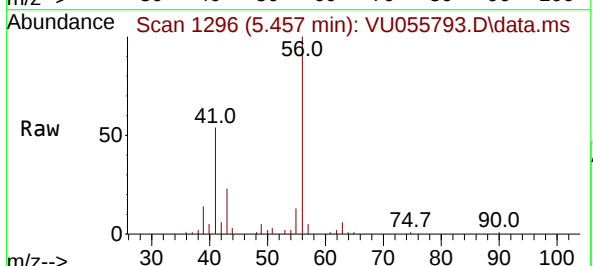
RT: 5.457 min Scan# 1296

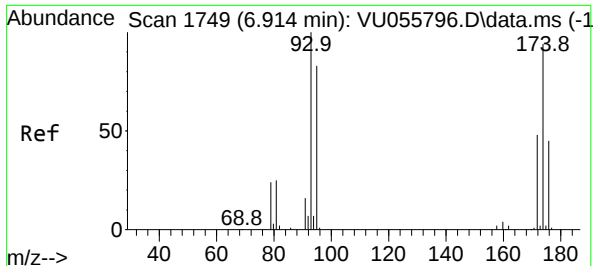
Delta R.T. 0.003 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

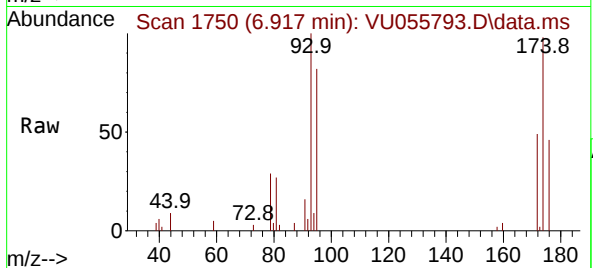
Tgt Ion: 56	Resp: 39097
Ion Ratio	Lower Upper
56	100
41	55.7 25.2 75.6





#43
Dibromomethane
Concen: 0.901 ug/l
RT: 6.917 min Scan# 1189
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

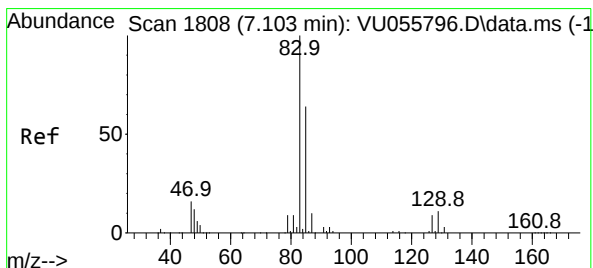
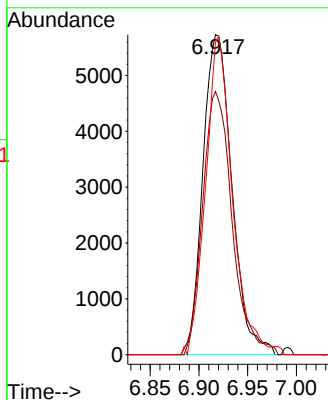
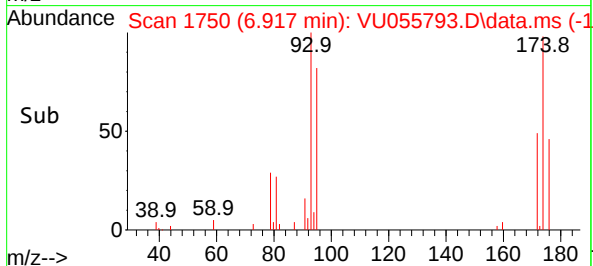
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



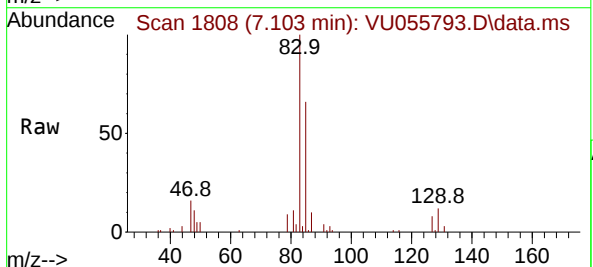
Tgt Ion: 93 Resp: 1189
Ion Ratio Lower Upper
93 100
95 83.2 67.0 100.6
174 92.2 73.8 110.6

Manual Integrations
APPROVED

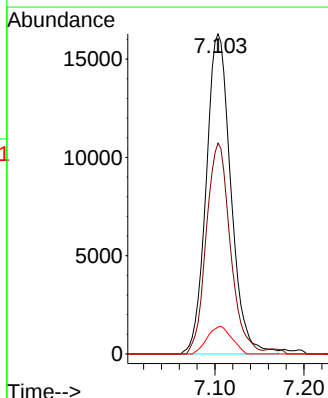
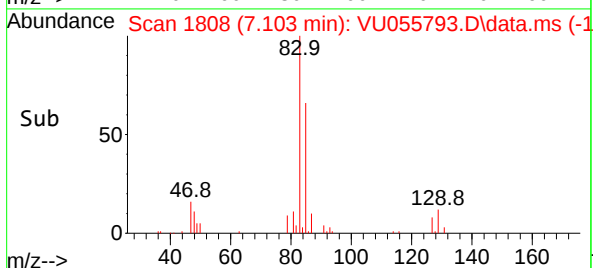
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

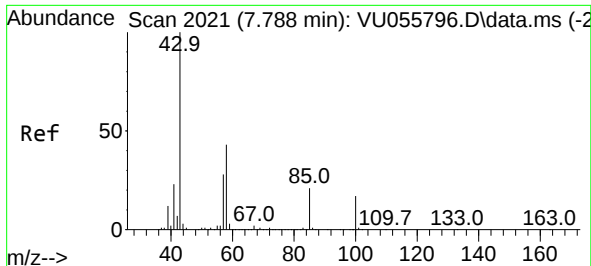


#44
Bromodichloromethane
Concen: 0.897 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion: 83 Resp: 31307
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9
127 8.4 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 4.175 ug/l

RT: 7.792 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

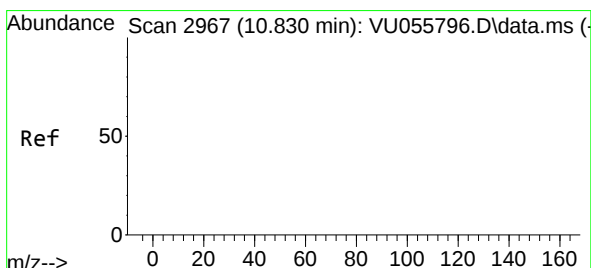
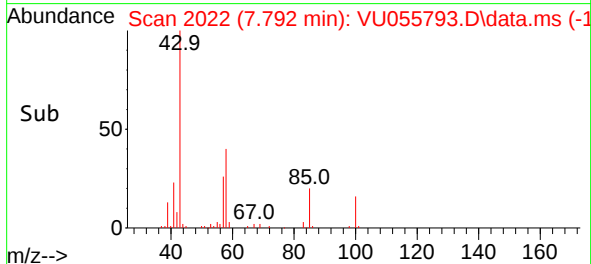
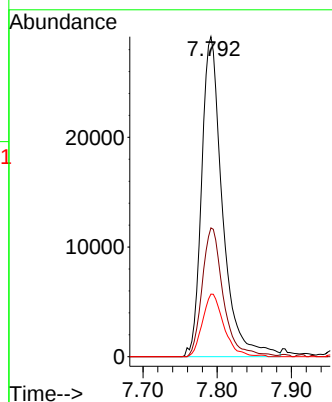
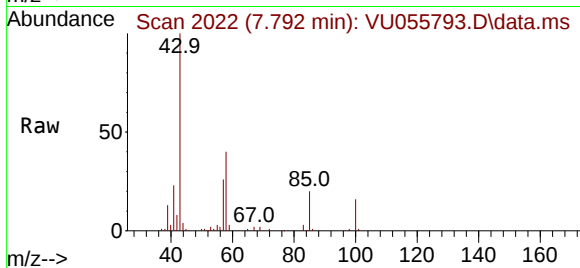
Tgt Ion: 43	Resp: 57018
Ion Ratio	Lower Upper
43 100	
58 40.8	20.9 62.8
85 19.9	14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#46

t-1,4-Dichloro-2-butene

Concen: 1.985 ug/l m

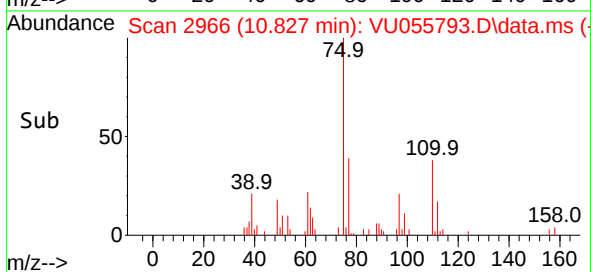
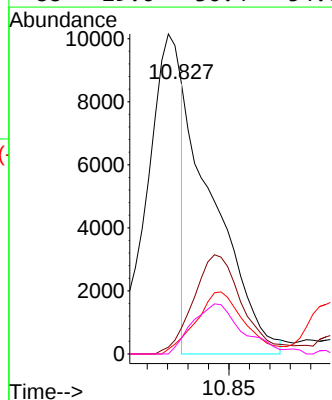
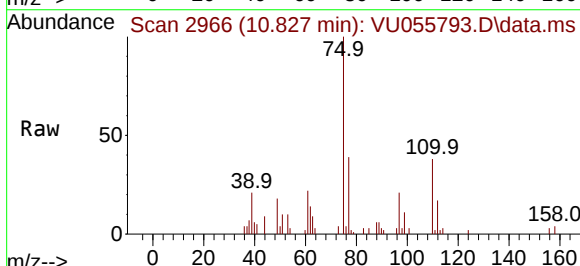
RT: 10.827 min Scan# 2966

Delta R.T. -0.003 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

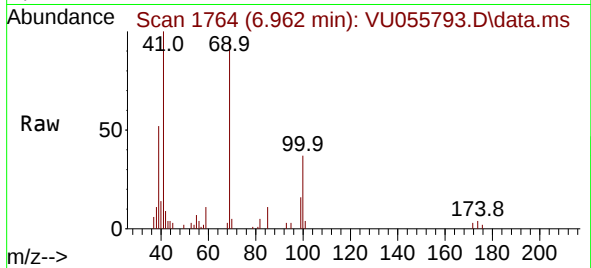
Tgt Ion: 75	Resp: 9334
Ion Ratio	Lower Upper
75 100	
53 57.0	73.3 109.9#
89 35.3	48.2 72.4#
88 29.6	36.4 54.6#





#47
Methyl methacrylate
Concen: 1.624 ug/l
RT: 6.962 min Scan# 1768
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

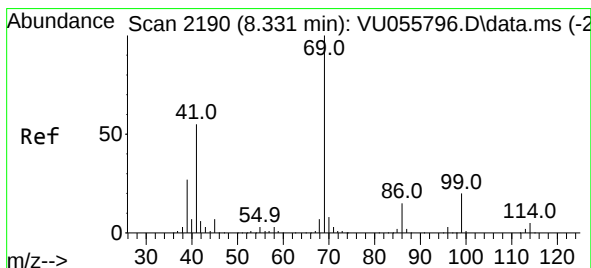
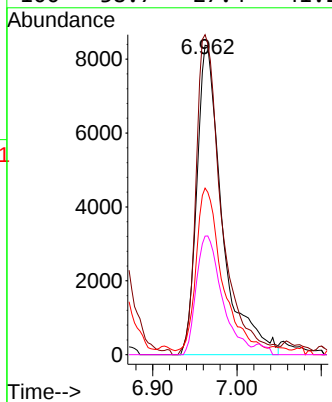
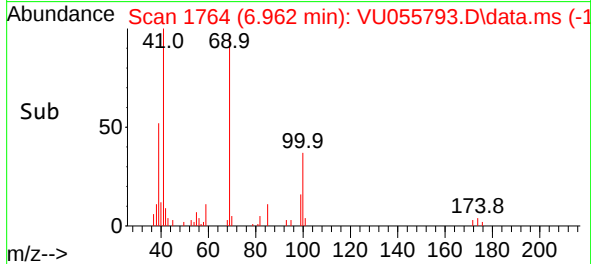
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 69 Resp: 1768
Ion Ratio Lower Upper
69 100
41 103.1 0.0 209.2
39 52.7 46.7 70.1
100 38.7 27.4 41.2

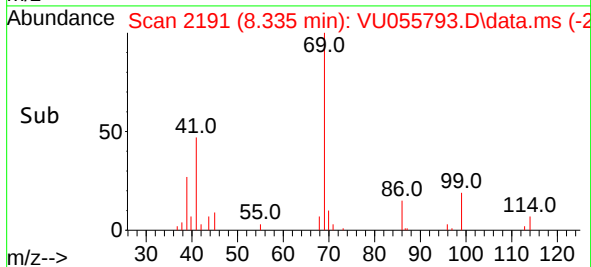
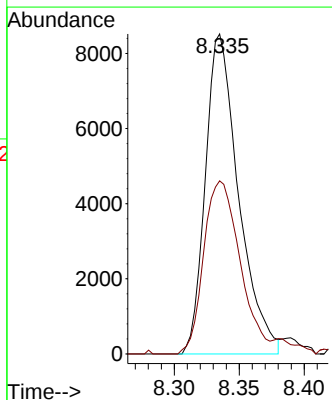
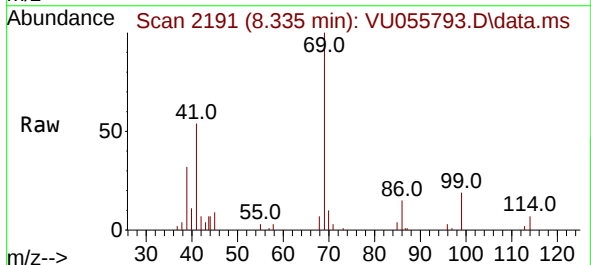
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 0.732 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion: 69 Resp: 15143
Ion Ratio Lower Upper
69 100
41 59.1 30.3 90.8





#49

Toluene

Concen: 0.840 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 5287

Ion Ratio Lower Upper

92 100

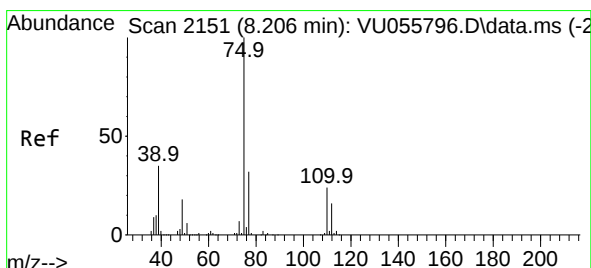
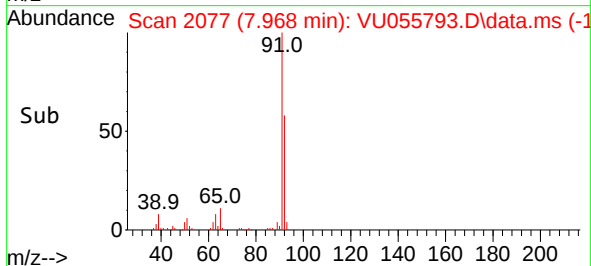
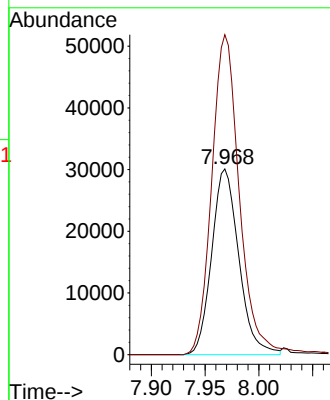
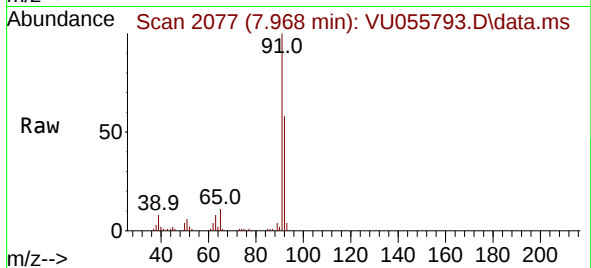
91 176.9 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.841 ug/l

RT: 8.210 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU055793.D

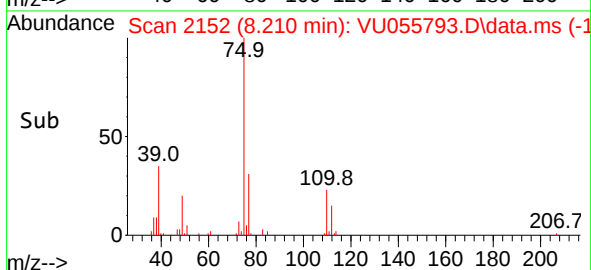
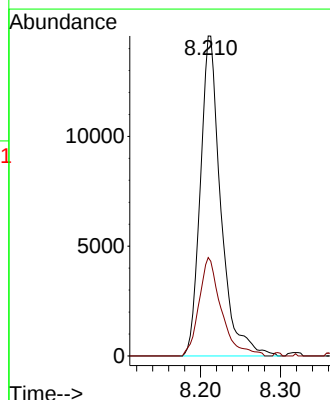
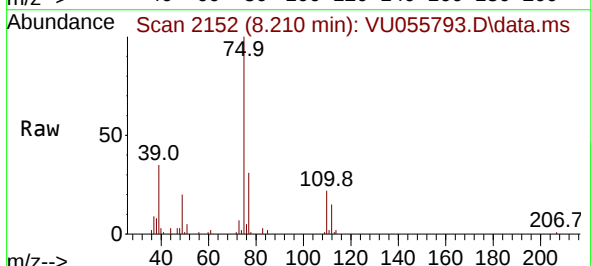
Acq: 18 Oct 2023 10:01

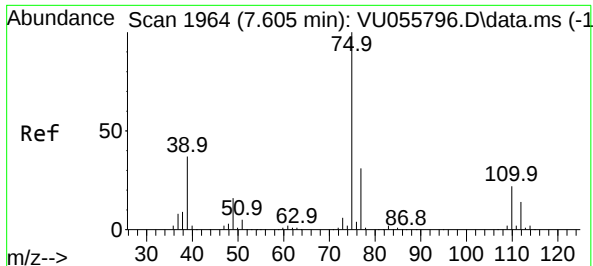
Tgt Ion: 75 Resp: 25961

Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9





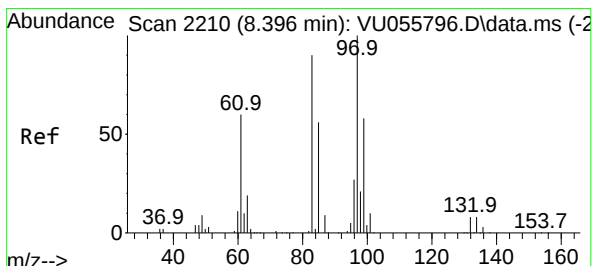
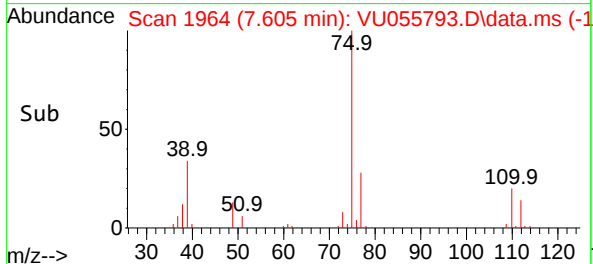
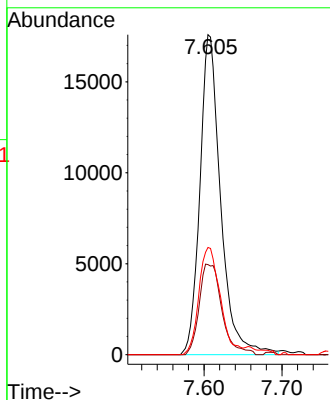
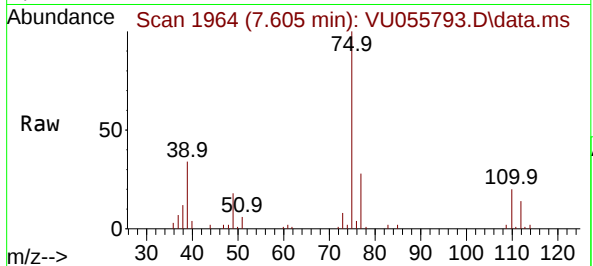
#51
 cis-1,3-Dichloropropene
 Concen: 0.860 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 3250
 Ion Ratio Lower Upper
 75 100
 77 28.2 25.7 38.5
 39 33.5 32.8 49.2

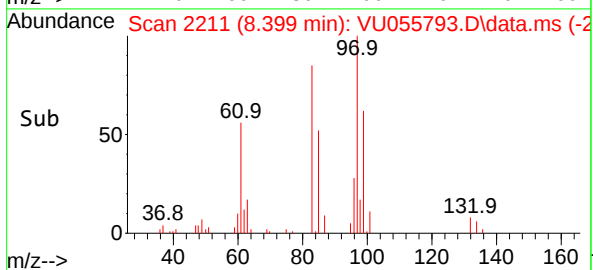
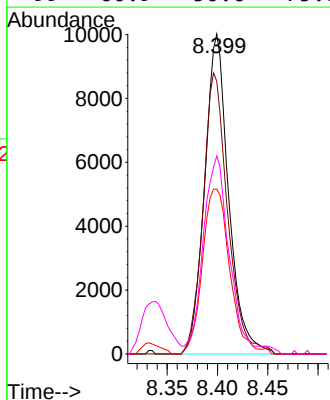
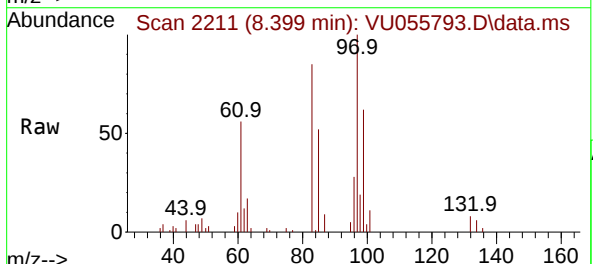
Manual Integrations
 APPROVED

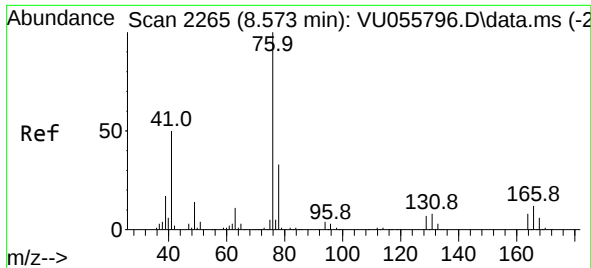
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.881 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. 0.003 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

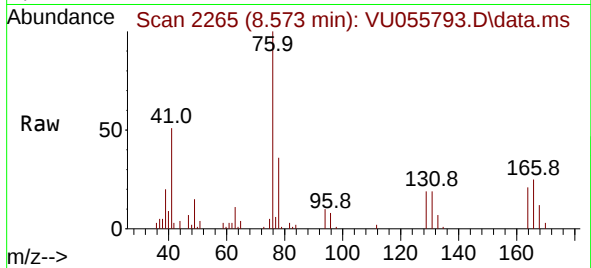
Tgt Ion: 97 Resp: 16616
 Ion Ratio Lower Upper
 97 100
 83 85.2 71.8 107.8
 85 51.6 45.2 67.8
 99 60.9 50.6 75.8





#53
1,3-Dichloropropane
Concen: 0.889 ug/l
RT: 8.573 min Scan# 2100
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

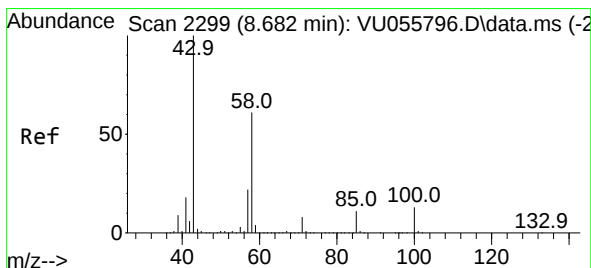
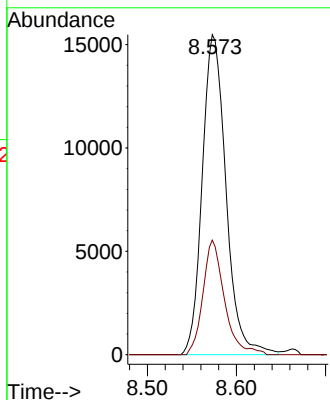
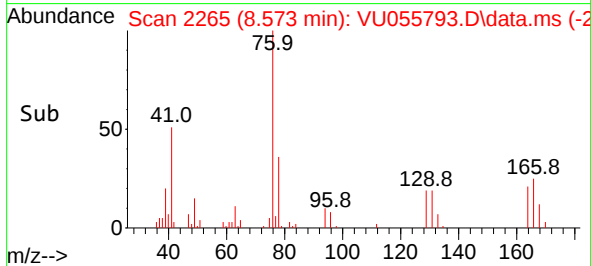
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



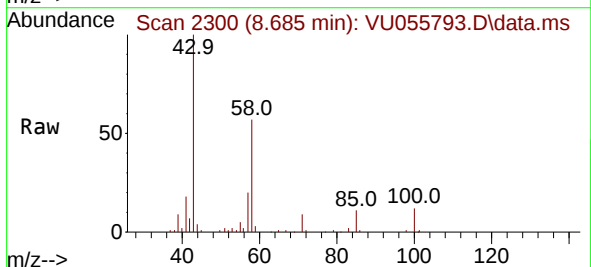
Tgt Ion: 76 Resp: 2867
Ion Ratio Lower Upper
76 100
78 32.4 25.9 38.9

Manual Integrations
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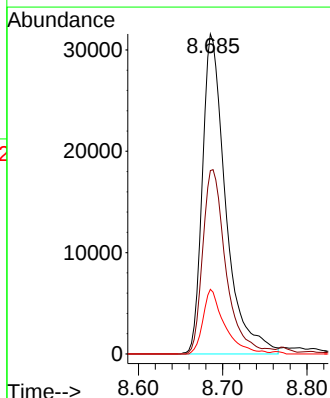
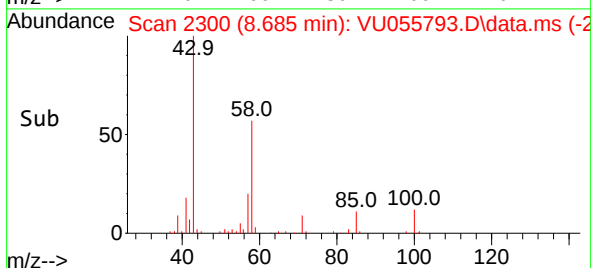
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#54
2-Hexanone
Concen: 3.976 ug/l
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



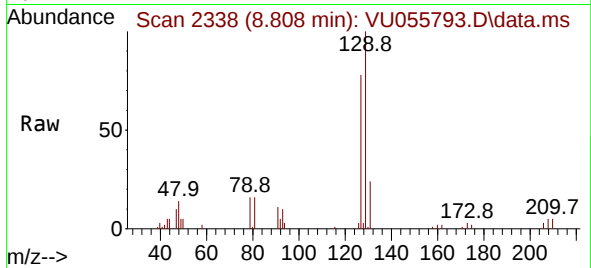
Tgt Ion: 43 Resp: 60833
Ion Ratio Lower Upper
43 100
58 57.5 38.2 78.2
57 18.8 0.0 39.1





#55
Dibromochloromethane
Concen: 0.867 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

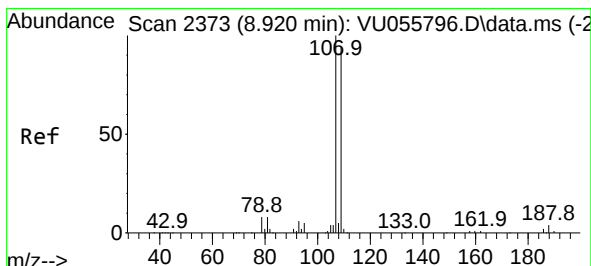
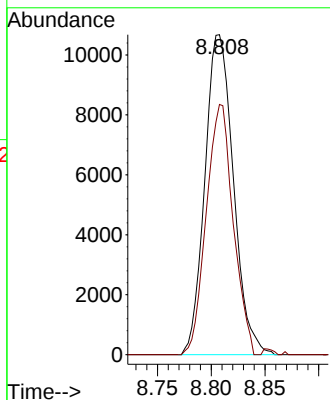
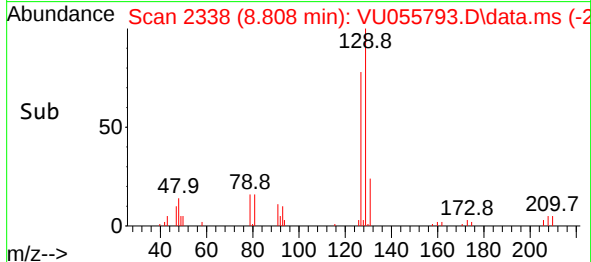
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



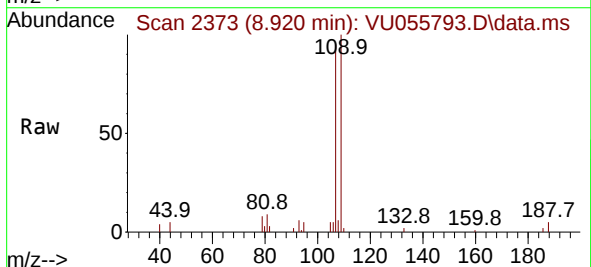
Tgt Ion:129 Resp: 19744
Ion Ratio Lower Upper
129 100
127 73.6 61.4 92.0

Manual Integrations
APPROVED

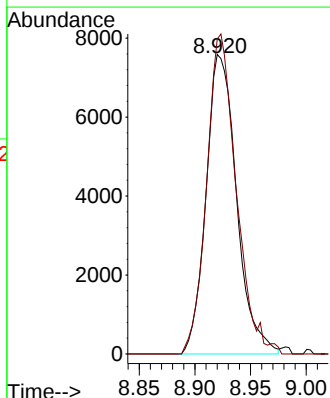
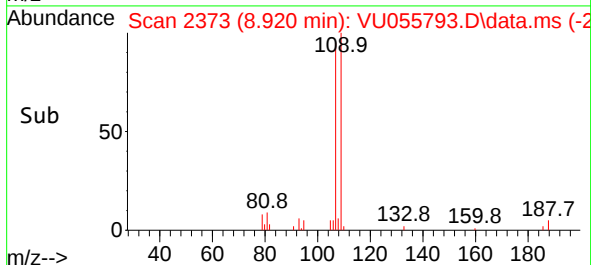
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

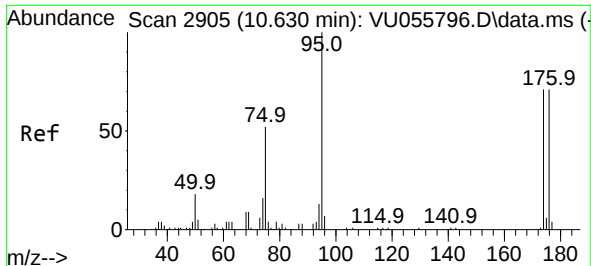


#56
1,2-Dibromoethane
Concen: 0.839 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



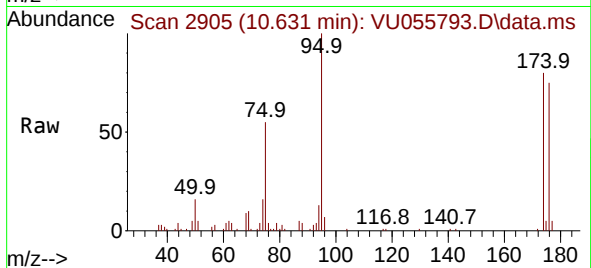
Tgt Ion:107 Resp: 14454
Ion Ratio Lower Upper
107 100
109 103.5 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.962 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

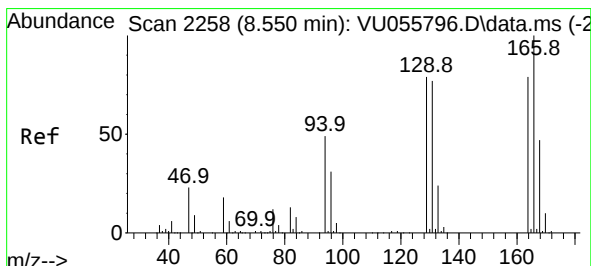
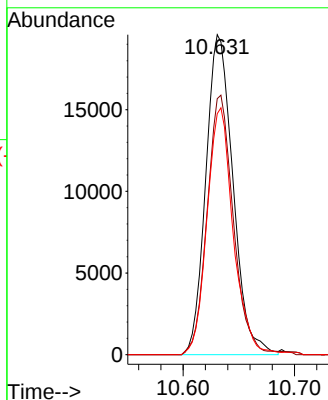
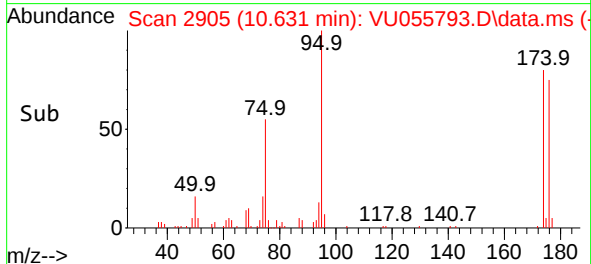
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



Tgt Ion: 95 Resp: 3329
Ion Ratio Lower Upper
95 100
174 78.6 63.3 94.9
176 74.3 59.3 88.9

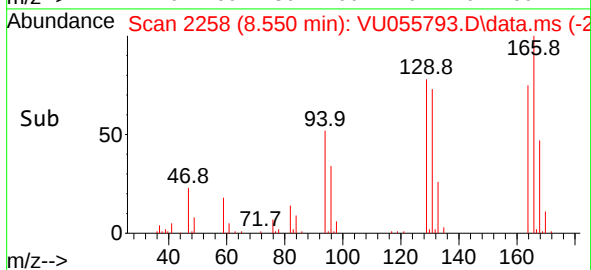
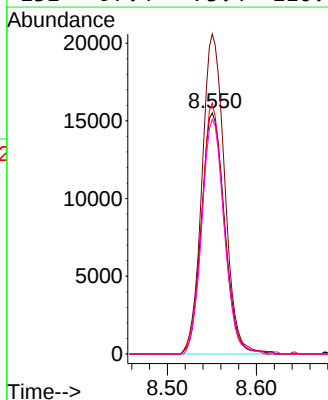
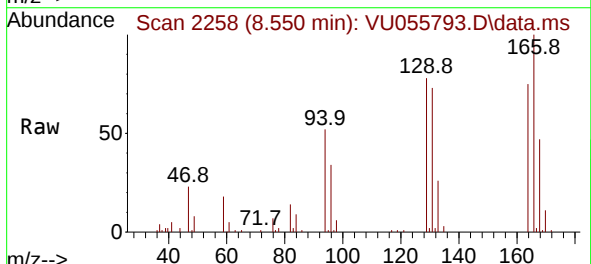
Manual Integrations
APPROVED

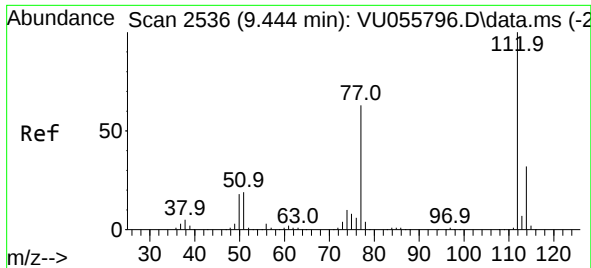
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.974 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:164 Resp: 28029
Ion Ratio Lower Upper
164 100
166 132.8 99.6 149.4
129 104.1 78.6 117.8
131 97.4 73.4 110.0





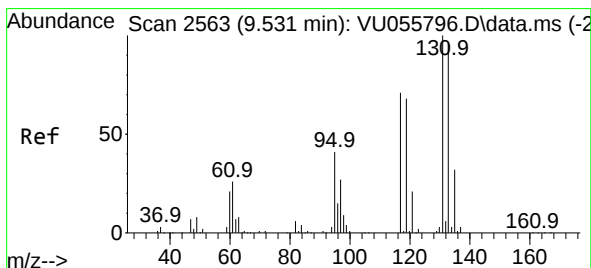
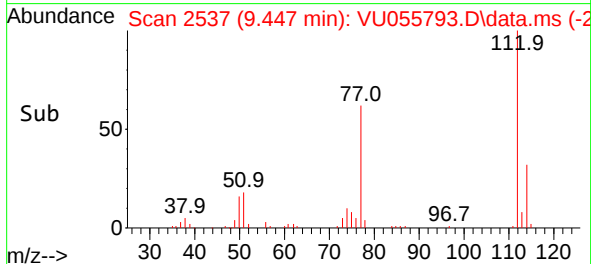
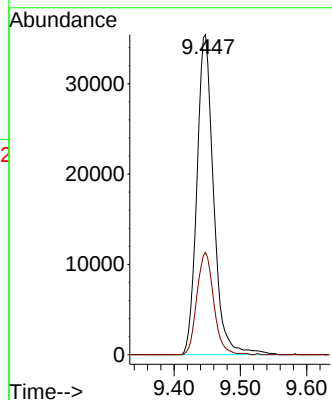
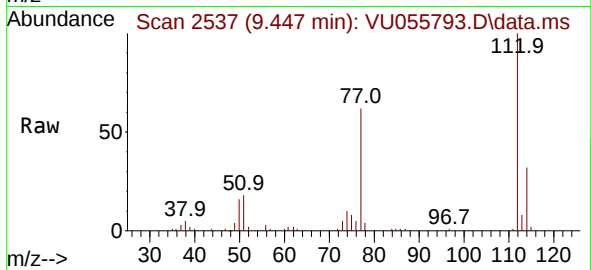
#59
Chlorobenzene
Concen: 0.894 ug/l
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:112 Resp: 6215
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

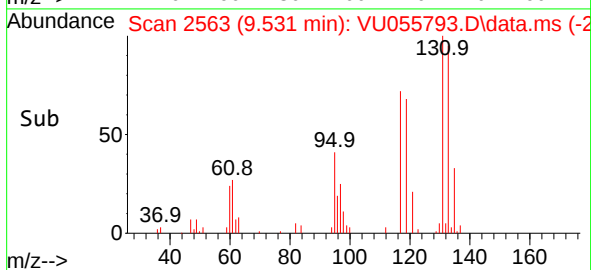
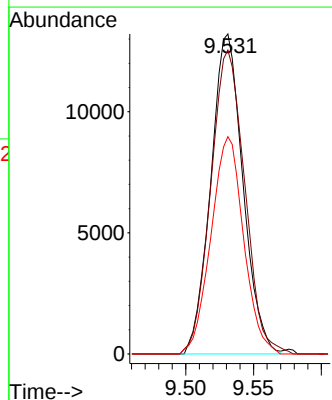
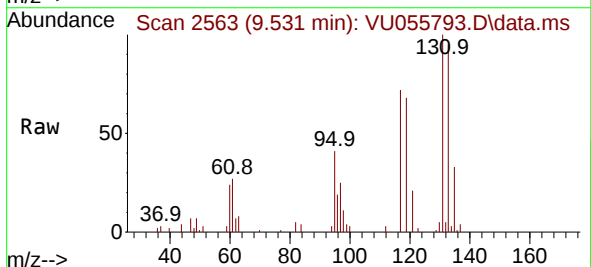
Manual Integrations
APPROVED

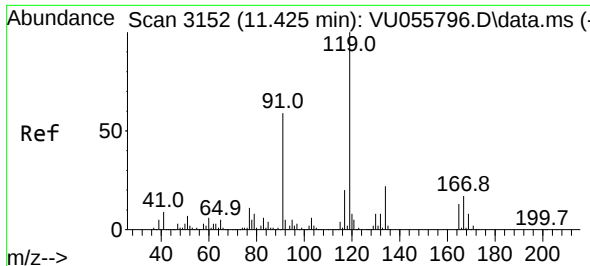
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.879 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:131 Resp: 21796
Ion Ratio Lower Upper
131 100
133 99.9 77.8 116.6
119 68.9 55.2 82.8





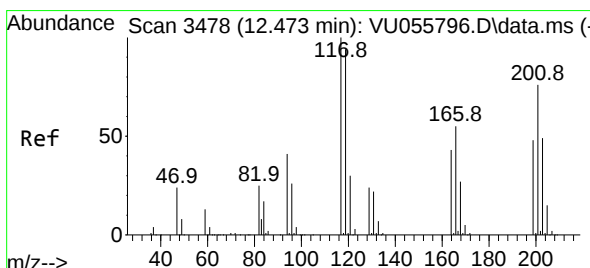
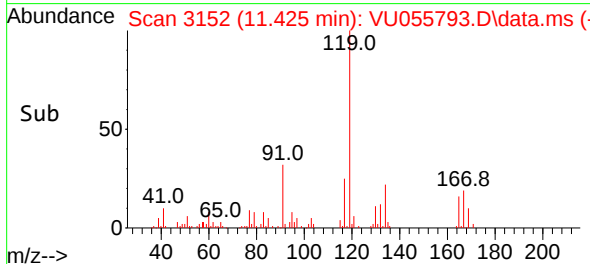
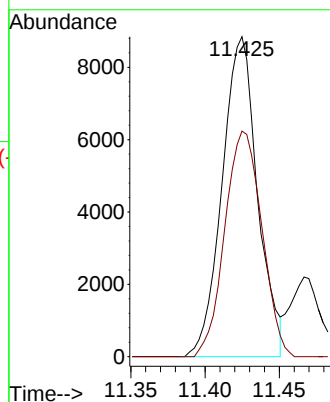
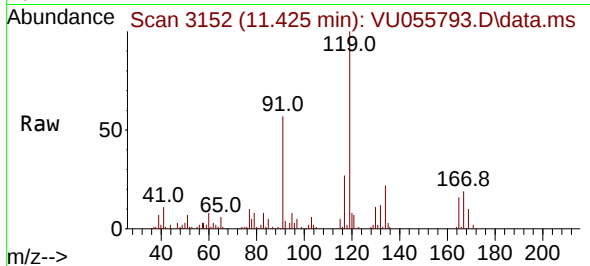
#61
 Pentachloroethane
 Concen: 0.874 ug/l
 RT: 11.425 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:117 Resp: 1465
 Ion Ratio Lower Upper
 117 100
 167 73.8 56.7 85.1

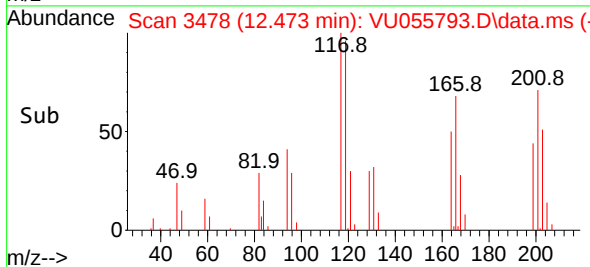
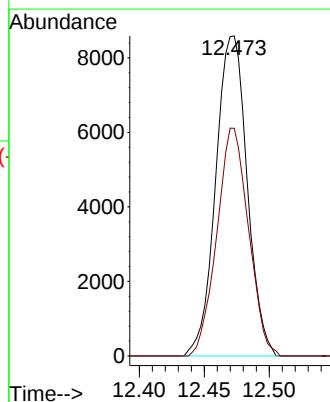
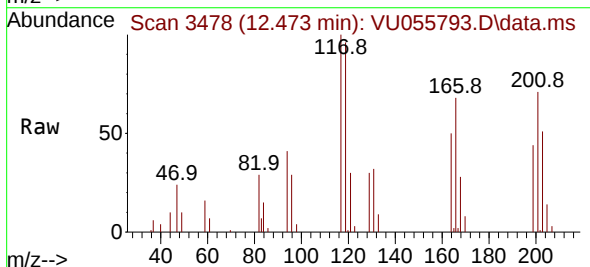
Manual Integrations
 APPROVED

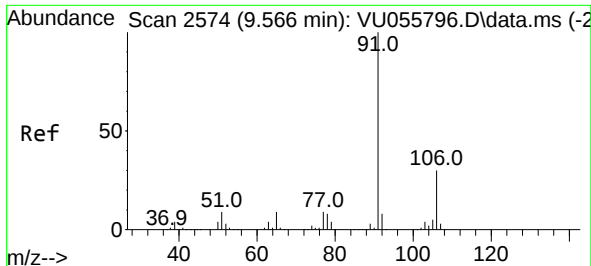
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#62
 Hexachloroethane
 Concen: 0.814 ug/l
 RT: 12.473 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

Tgt Ion:117 Resp: 14448
 Ion Ratio Lower Upper
 117 100
 201 71.7 59.6 89.4





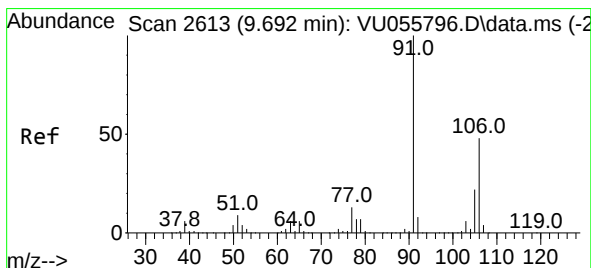
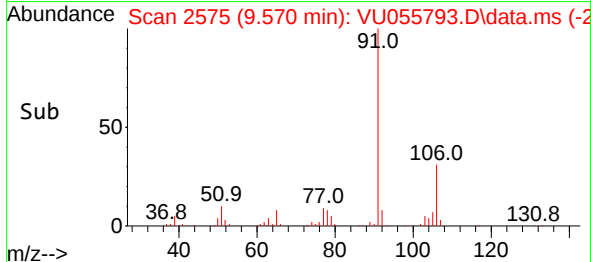
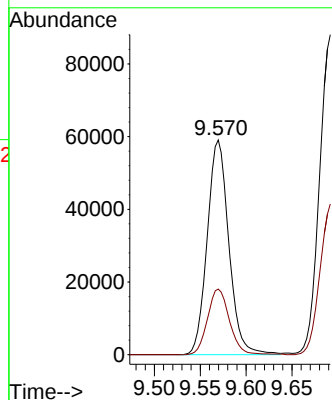
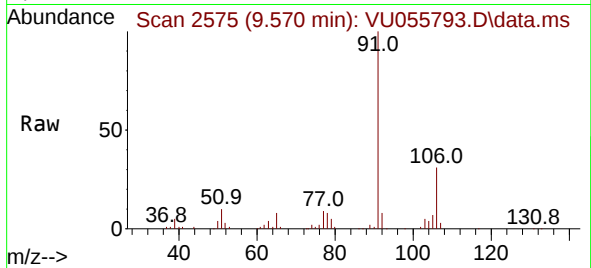
#63
Ethyl Benzene
Concen: 0.823 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 97124
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

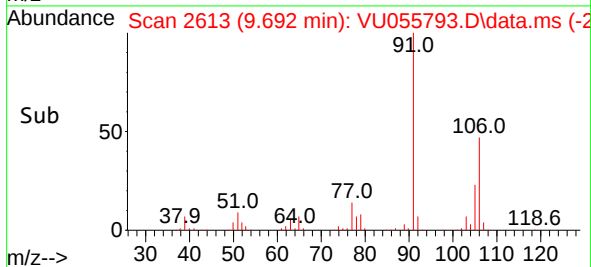
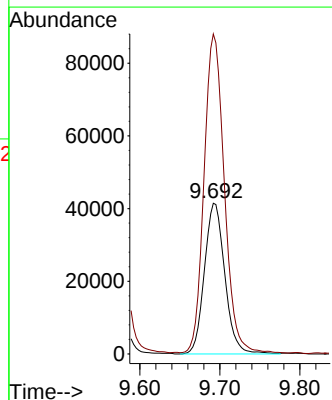
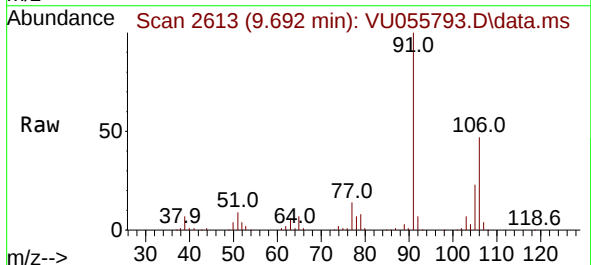
Manual Integrations
APPROVED

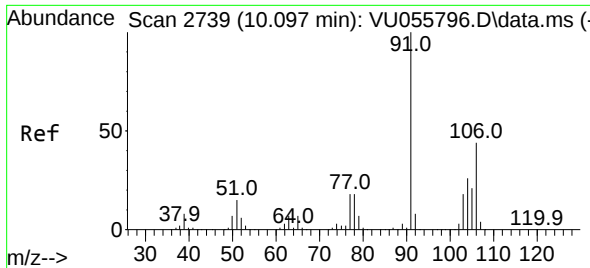
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 1.627 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:106 Resp: 73815
Ion Ratio Lower Upper
106 100
91 210.3 167.3 250.9





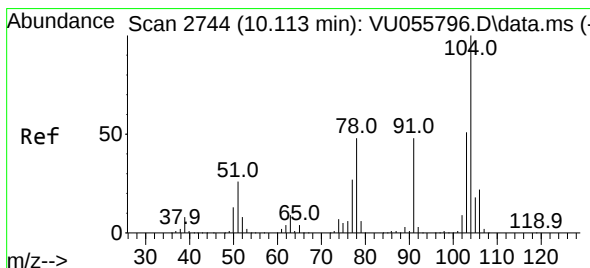
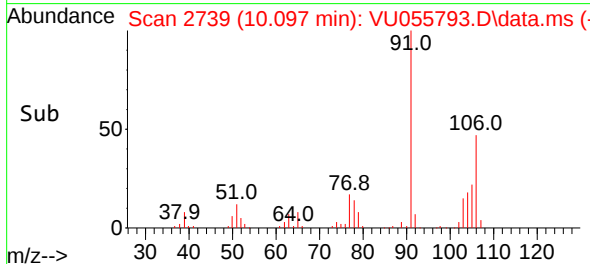
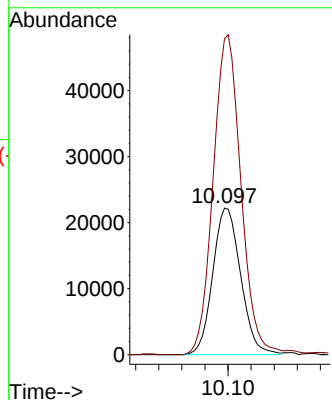
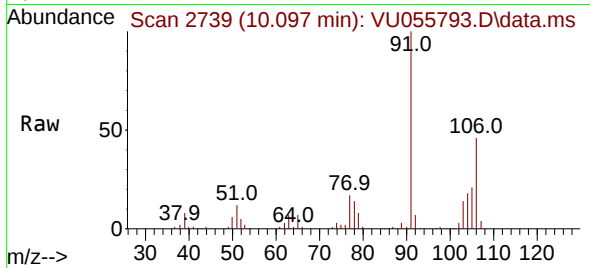
#65
o-Xylene
Concen: 0.837 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 37252
Ion Ratio Lower Upper
106 100
91 218.6 109.3 327.9

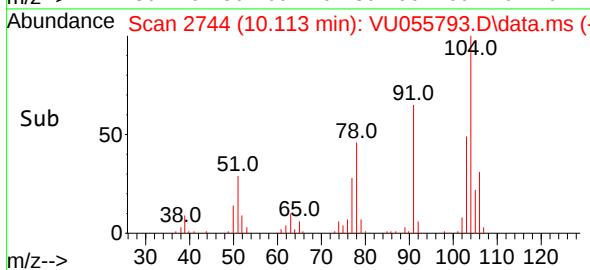
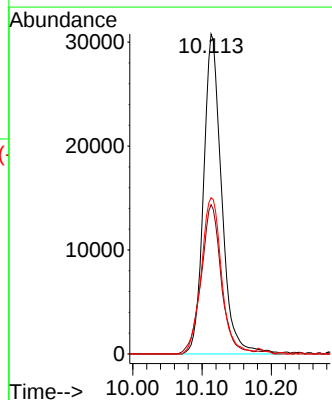
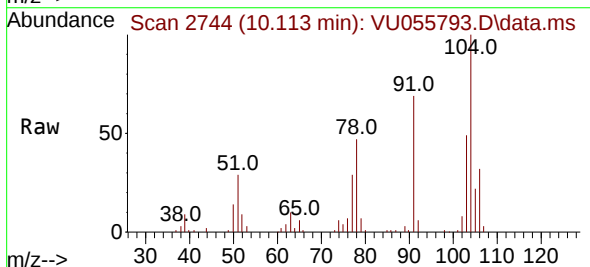
Manual Integrations
APPROVED

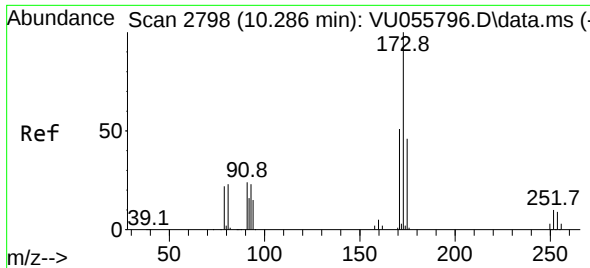
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.800 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

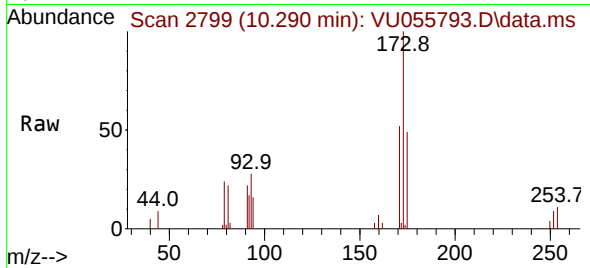
Tgt Ion:104 Resp: 55662
Ion Ratio Lower Upper
104 100
78 51.9 39.7 59.5
103 55.0 44.8 67.2





#67
Bromoform
Concen: 0.818 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

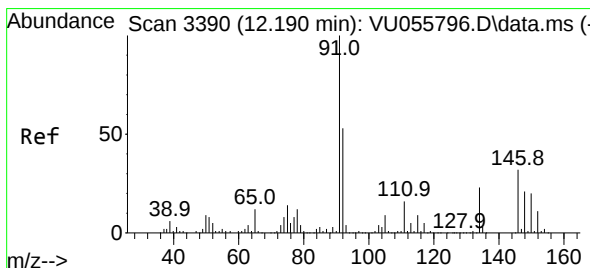
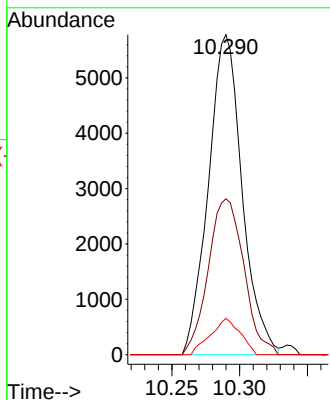
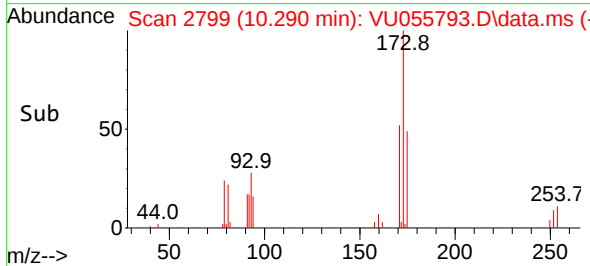
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



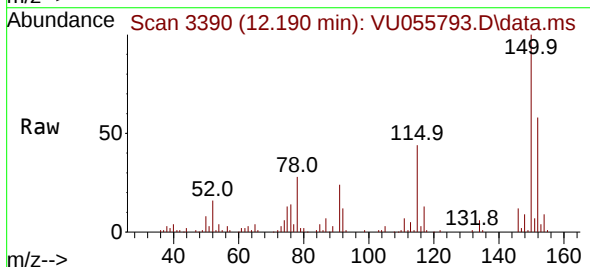
Tgt Ion:173 Resp: 1000
Ion Ratio Lower Upper
173 100
175 51.3 39.0 58.6
254 10.0 7.4 11.0

Manual Integrations
APPROVED

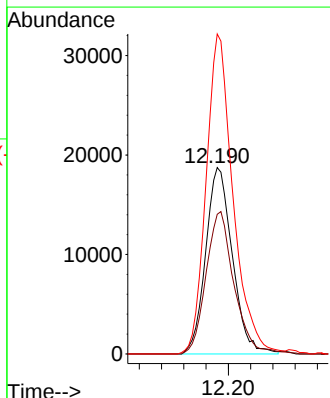
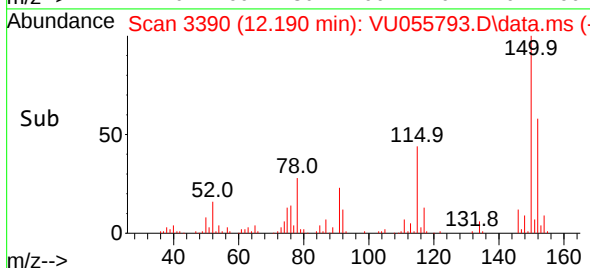
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

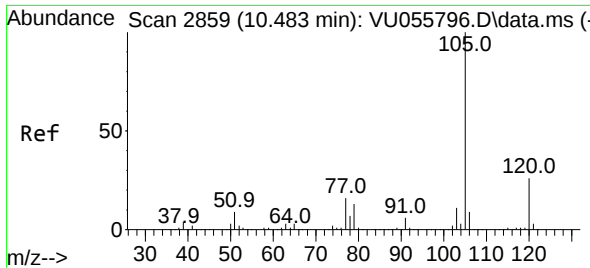


#68
1,2-Dichlorobenzene-d4
Concen: 0.972 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion:152 Resp: 31170
Ion Ratio Lower Upper
152 100
115 79.9 0.0 308.8
150 173.1 0.0 635.0





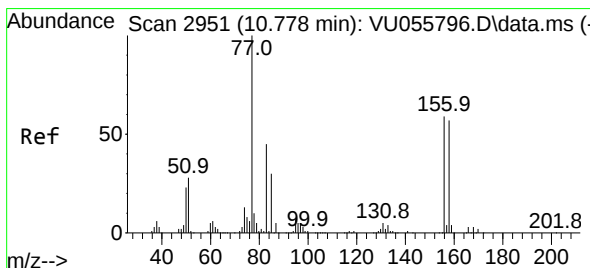
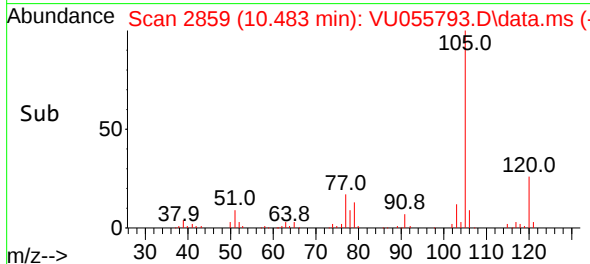
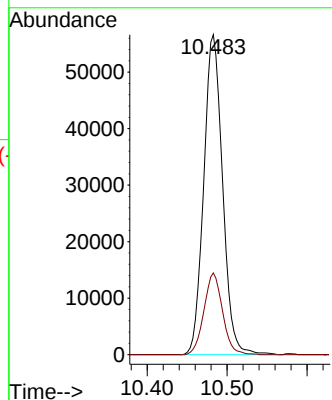
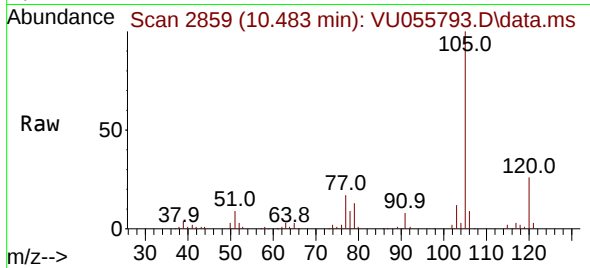
#69
Isopropylbenzene
Concen: 0.811 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:105 Resp: 92968
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4

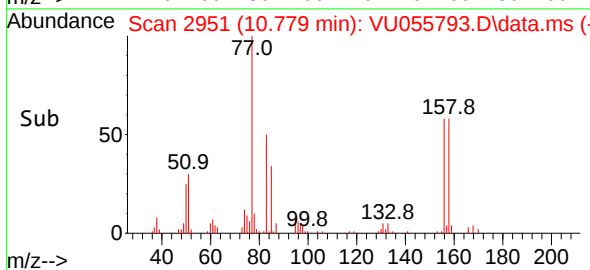
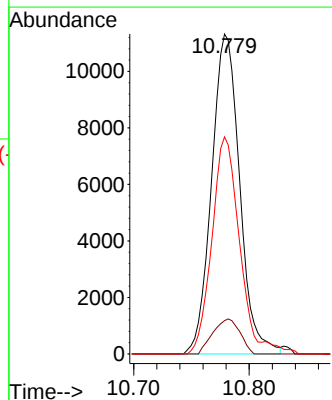
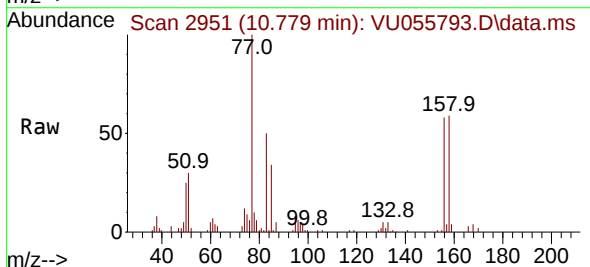
Manual Integrations
APPROVED

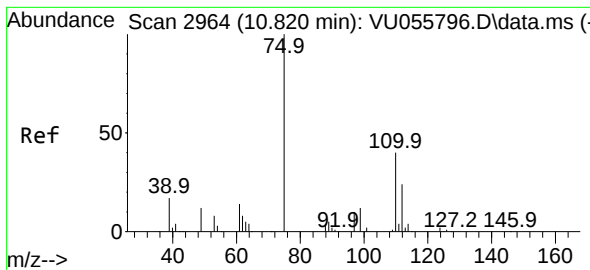
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.866 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.001 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

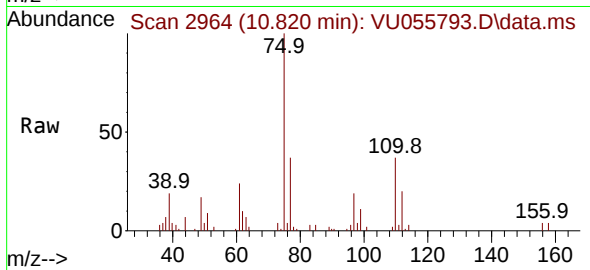
Tgt Ion: 83 Resp: 19103
Ion Ratio Lower Upper
83 100
131 10.5 7.2 10.8
85 67.1 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.807 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

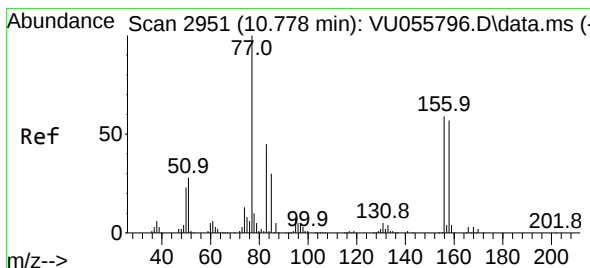
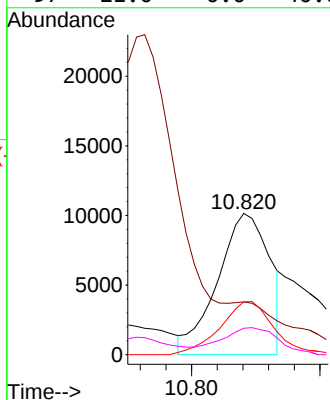
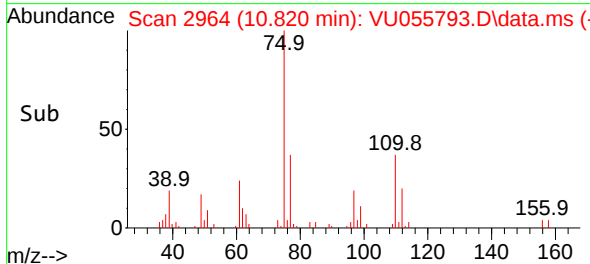
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



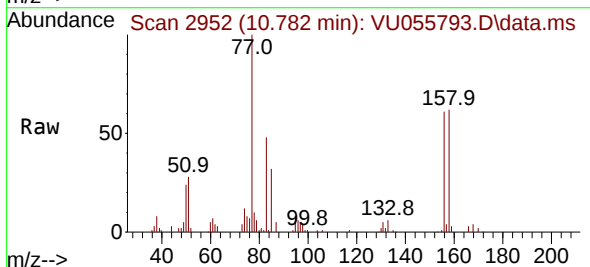
Tgt Ion: 75 Resp: 1430
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 39.1 0.0 74.6
97 21.0 0.0 40.0

Manual Integrations
APPROVED

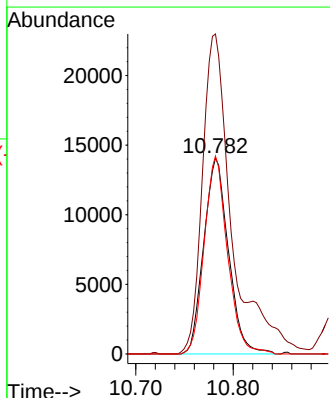
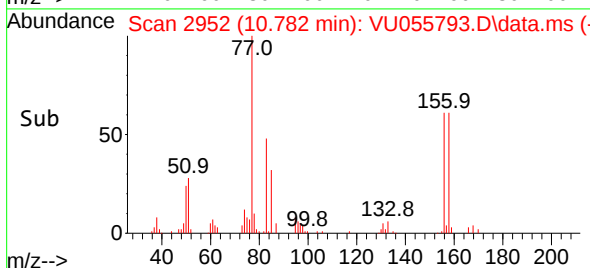
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

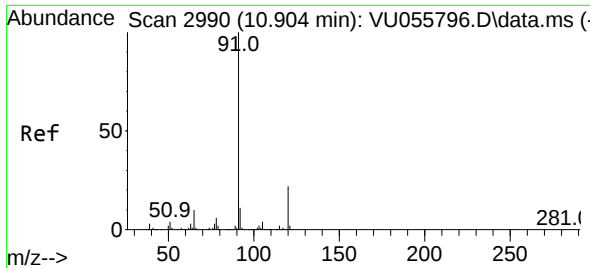


#72
Bromobenzene
Concen: 0.908 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



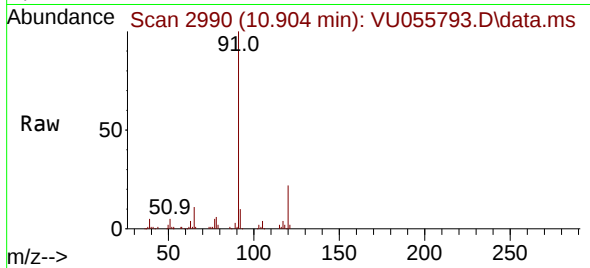
Tgt Ion:156 Resp: 24824
Ion Ratio Lower Upper
156 100
77 169.3 0.0 343.0
158 95.3 0.0 194.8





#73
n-propylbenzene
Concen: 0.754 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

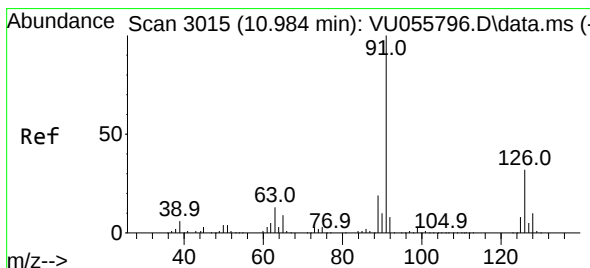
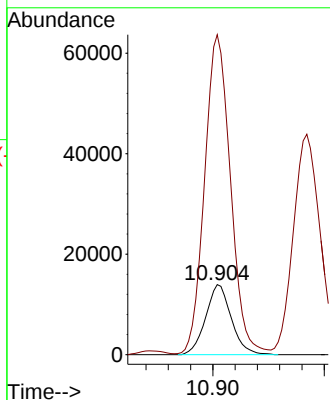
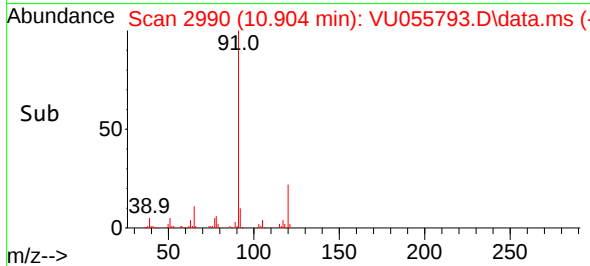
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



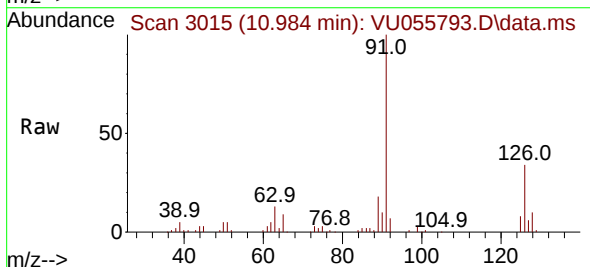
Tgt Ion:120 Resp: 22268
Ion Ratio Lower Upper
120 100
91 459.2 369.8 554.6

Manual Integrations
APPROVED

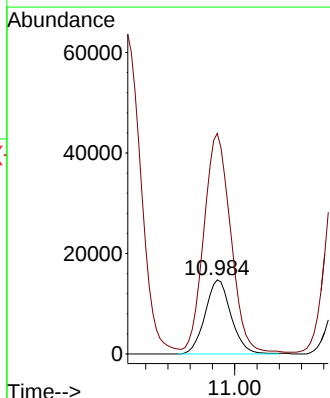
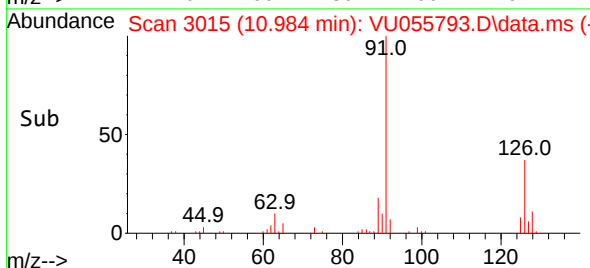
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

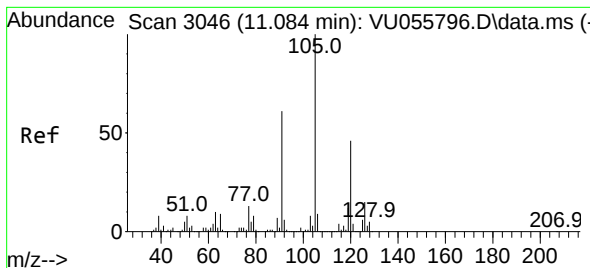


#74
2-Chlorotoluene
Concen: 0.865 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion:126 Resp: 23767
Ion Ratio Lower Upper
126 100
91 305.4 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 0.765 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU055793.D

Acq: 18 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 74998

Ion Ratio Lower Upper

105 100

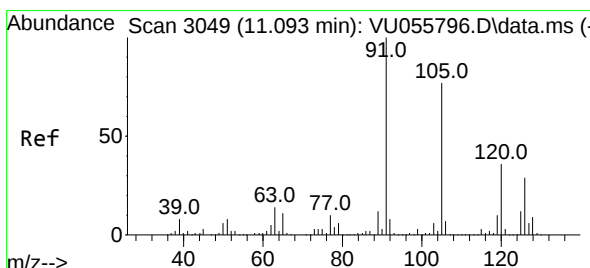
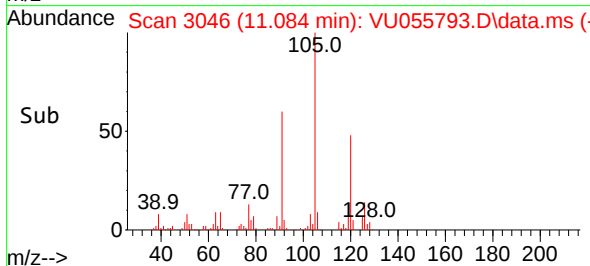
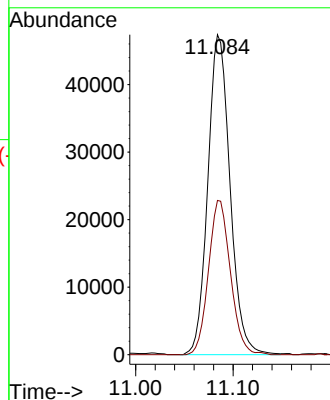
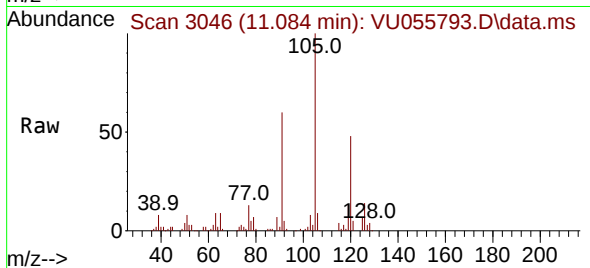
120 47.6 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#76

4-Chlorotoluene

Concen: 0.839 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU055793.D

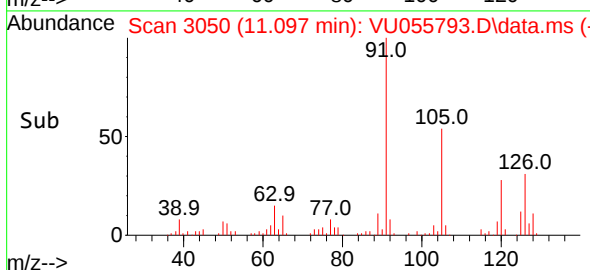
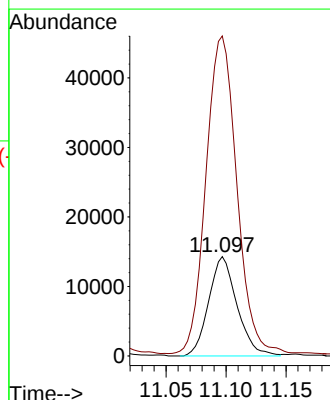
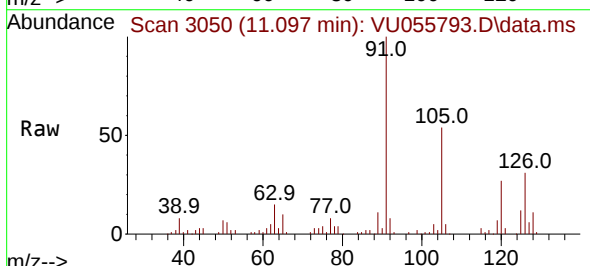
Acq: 18 Oct 2023 10:01

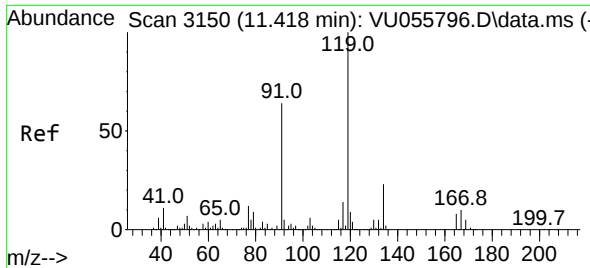
Tgt Ion:126 Resp: 23490

Ion Ratio Lower Upper

126 100

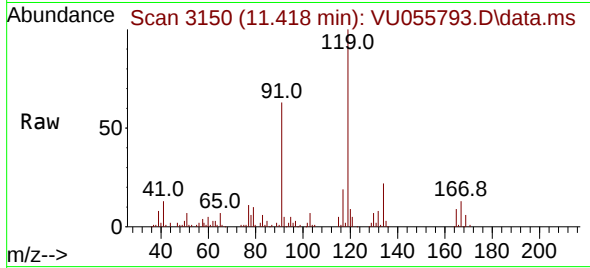
91 346.3 0.0 686.2





#77
tert-Butylbenzene
Concen: 0.778 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

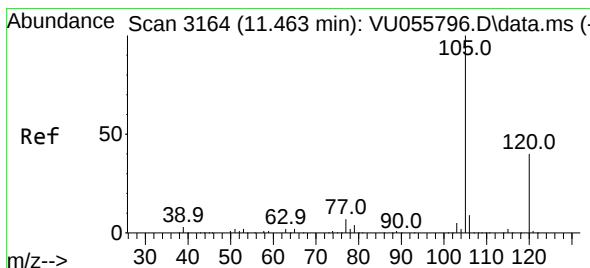
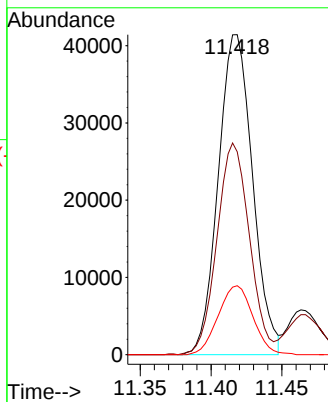
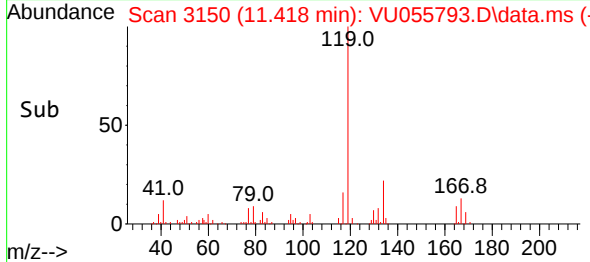
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



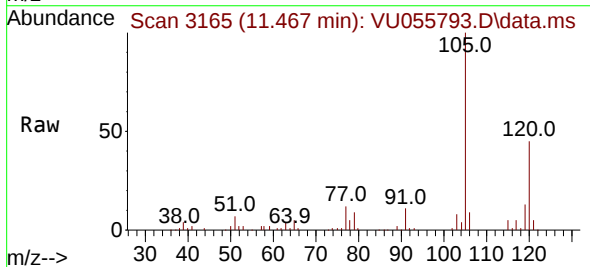
Tgt Ion:119 Resp: 69874
Ion Ratio Lower Upper
119 100
91 62.7 30.8 92.4
134 21.9 18.0 27.0

Manual Integrations
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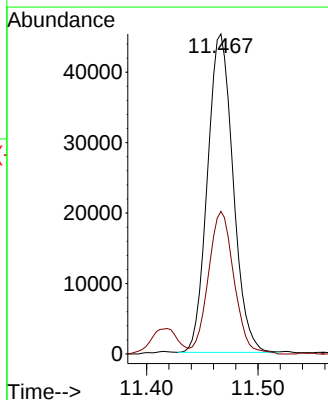
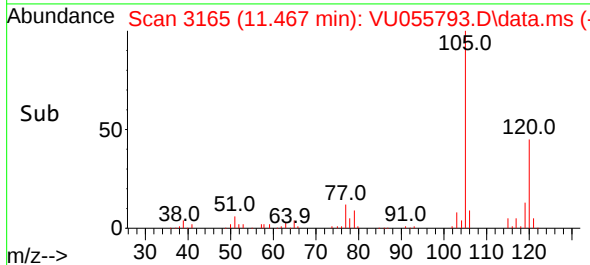
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

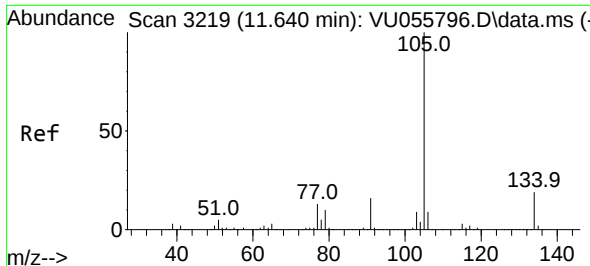


#78
1,2,4-Trimethylbenzene
Concen: 0.745 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



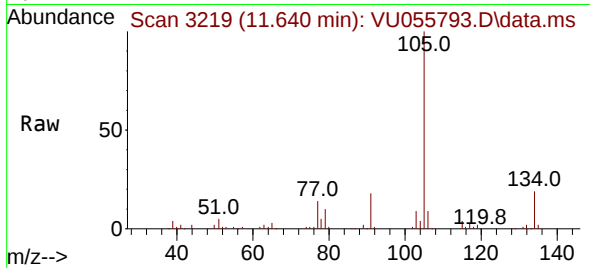
Tgt Ion:105 Resp: 72237
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.716 ug/l
 RT: 11.640 min Scan# 3119
 Delta R.T. 0.000 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01

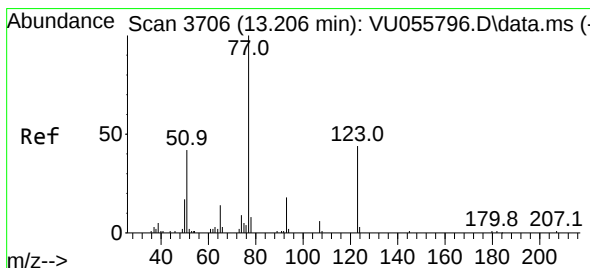
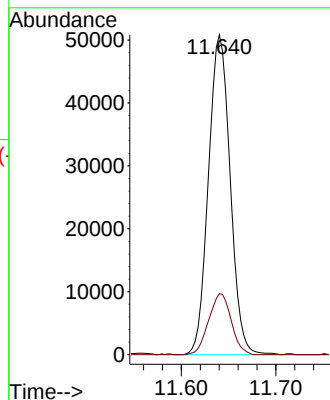
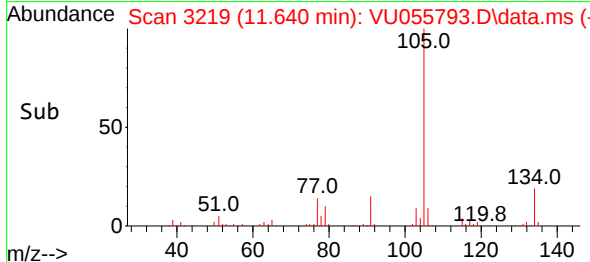
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001



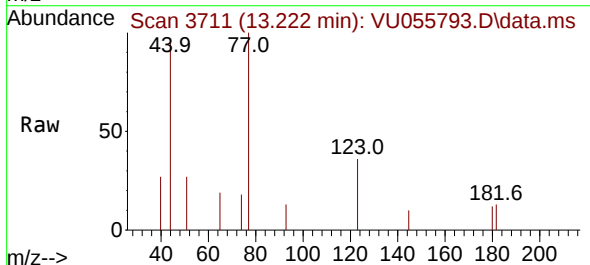
Tgt Ion:105 Resp: 8119
 Ion Ratio Lower Upper
 105 100
 134 19.8 14.9 22.3

Manual Integrations
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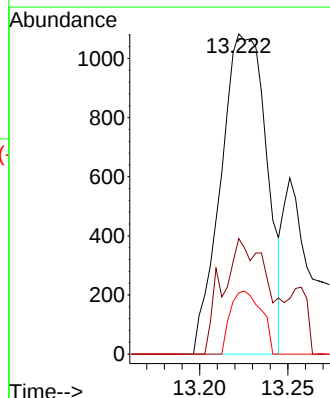
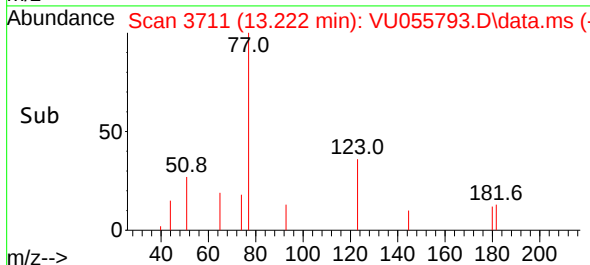
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

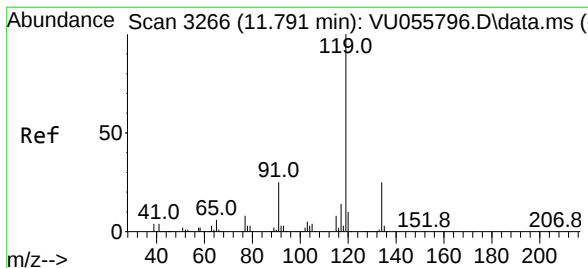


#80
 Nitrobenzene
 Concen: 3.218 ug/l m
 RT: 13.222 min Scan# 3711
 Delta R.T. 0.016 min
 Lab File: VU055793.D
 Acq: 18 Oct 2023 10:01



Tgt Ion: 77 Resp: 1963
 Ion Ratio Lower Upper
 77 100
 123 24.1 19.7 69.7
 65 13.2 11.5 14.7





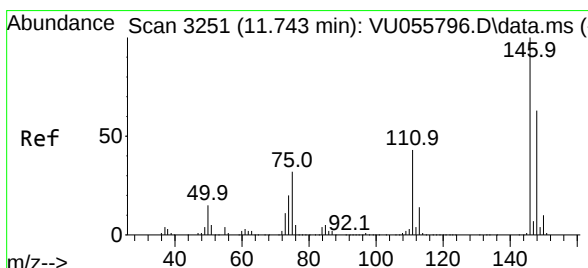
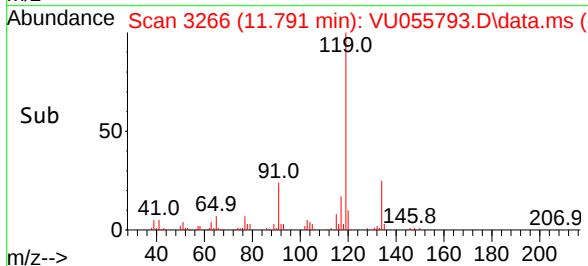
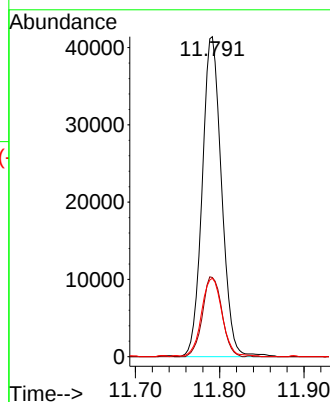
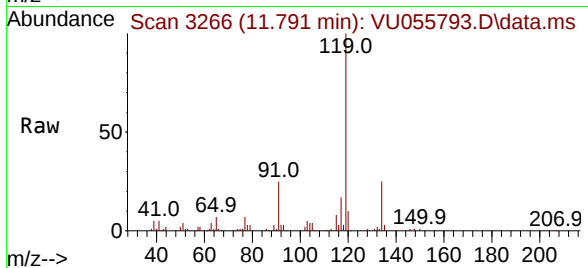
#81
p-Isopropyltoluene
Concen: 0.724 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 66138
Ion Ratio Lower Upper
119 100
134 25.0 20.2 30.4
91 26.2 19.3 28.9

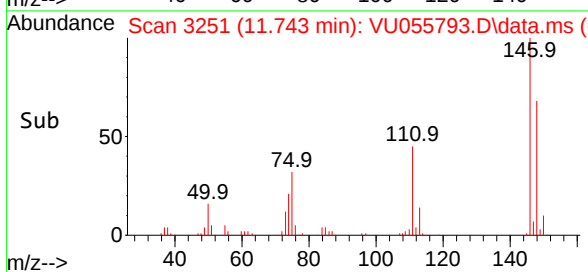
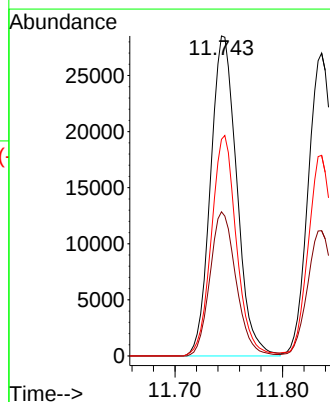
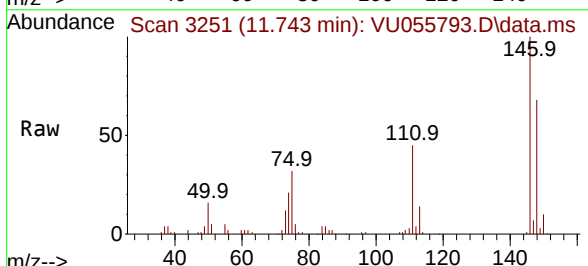
Manual Integrations
APPROVED

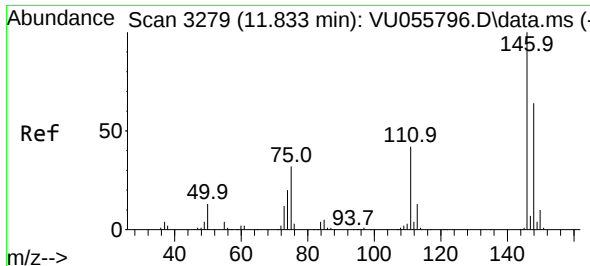
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.867 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

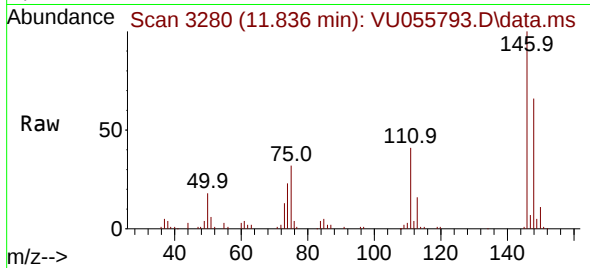
Tgt Ion:146 Resp: 48385
Ion Ratio Lower Upper
146 100
111 44.8 32.6 49.0
148 65.9 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.837 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

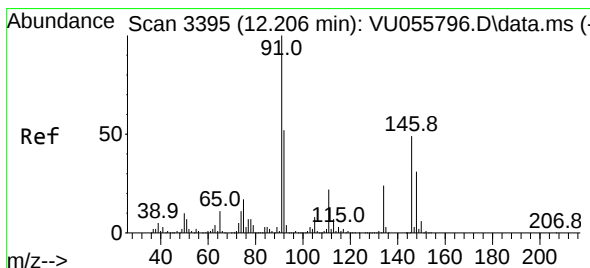
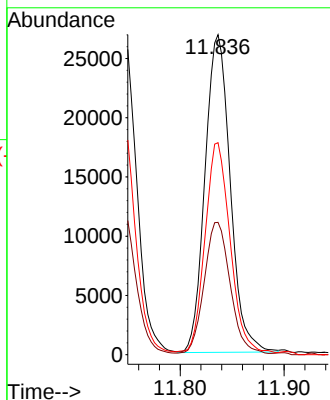
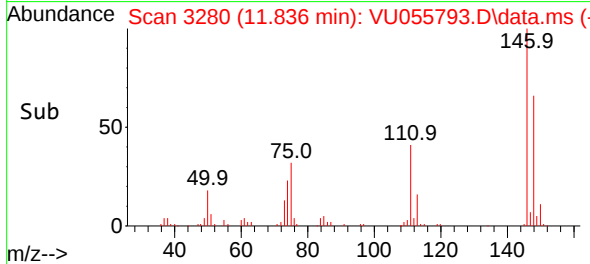
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001



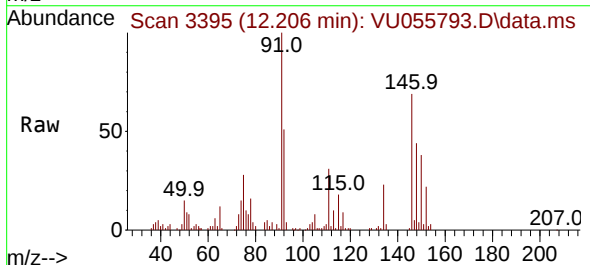
Tgt Ion:146 Resp: 4522
Ion Ratio Lower Upper
146 100
111 42.3 31.6 47.4
148 65.8 50.3 75.5

Manual Integrations
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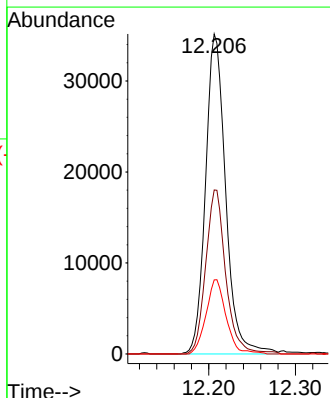
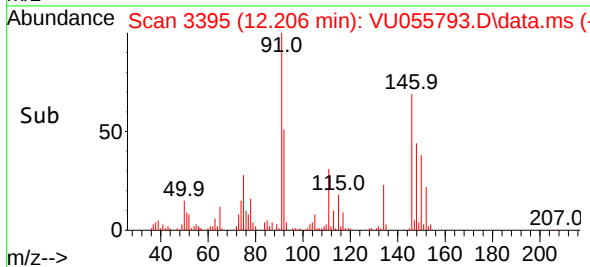
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

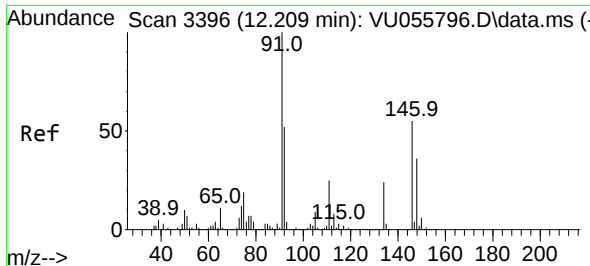


#84
n-Butylbenzene
Concen: 0.730 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



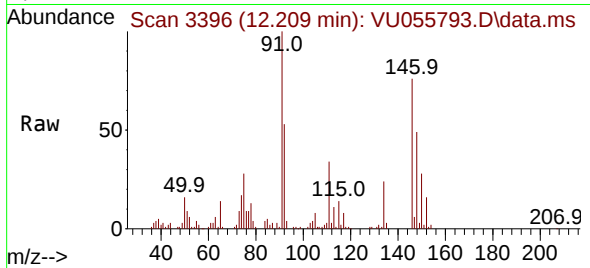
Tgt Ion: 91 Resp: 56834
Ion Ratio Lower Upper
91 100
92 51.1 40.8 61.2
134 23.2 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.853 ug/l
RT: 12.209 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

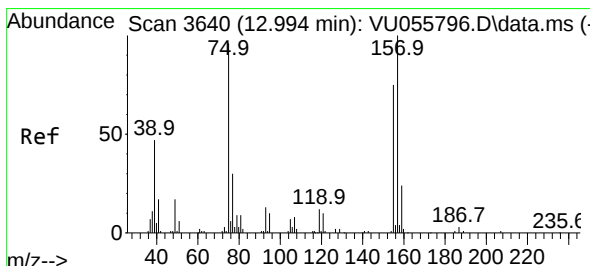
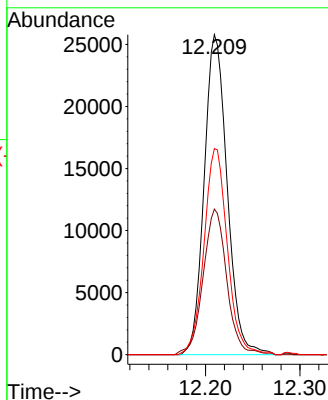
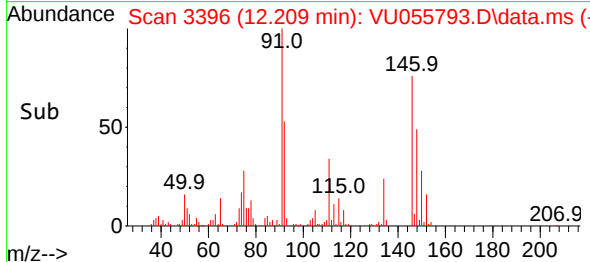
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001



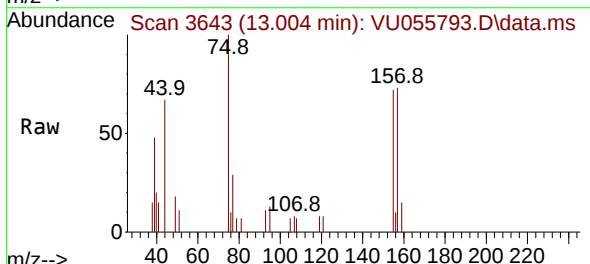
Tgt Ion:146 Resp: 4353
Ion Ratio Lower Upper
146 100
111 46.8 21.6 64.6
148 65.6 32.1 96.5

Manual Integrations
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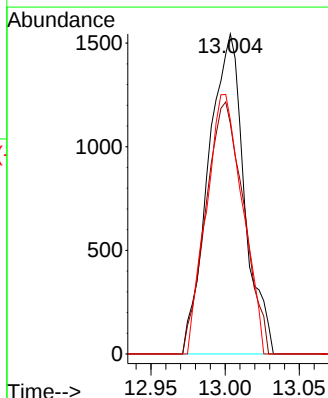
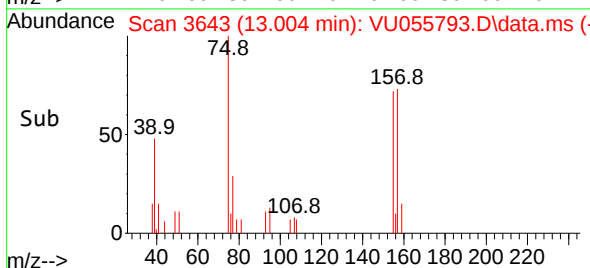
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

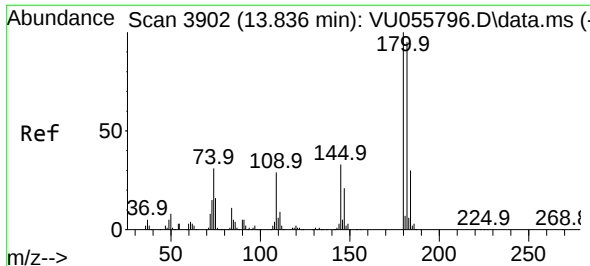


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.826 ug/l
RT: 13.004 min Scan# 3643
Delta R.T. 0.010 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01



Tgt Ion: 75 Resp: 2601
Ion Ratio Lower Upper
75 100
155 83.1 61.8 92.8
157 81.4 80.2 120.4





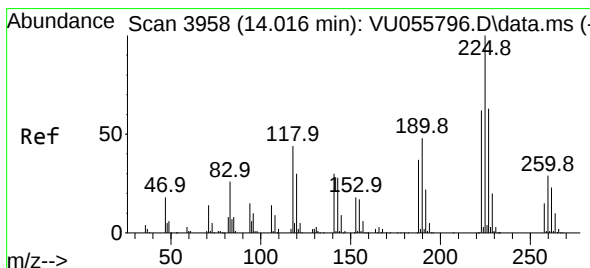
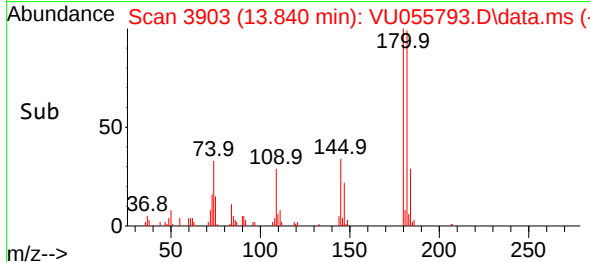
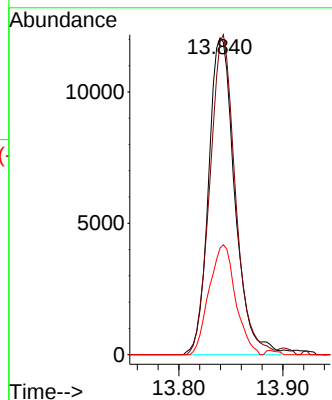
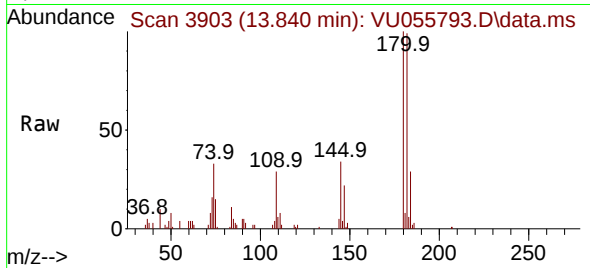
#87
1,2,4-Trichlorobenzene
Concen: 0.763 ug/l
RT: 13.840 min Scan# 3902
Delta R.T. 0.004 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:180 Resp: 2111
Ion Ratio Lower Upper
180 100
182 97.8 75.8 113.6
145 35.0 23.9 35.9

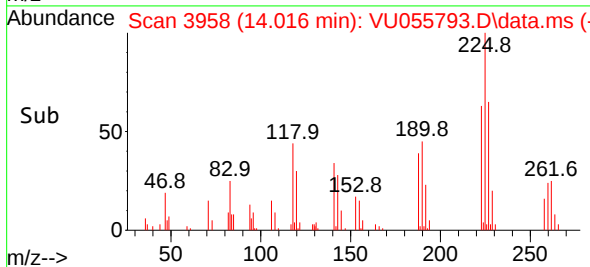
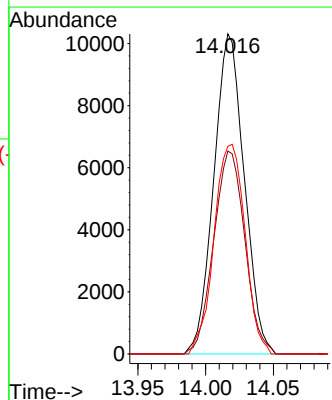
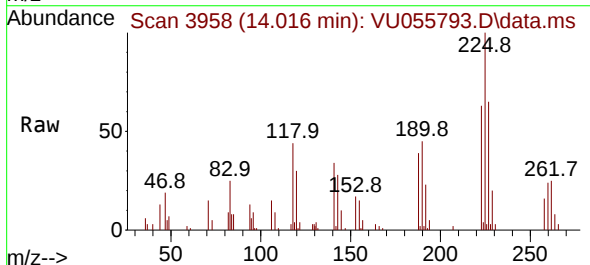
Manual Integrations
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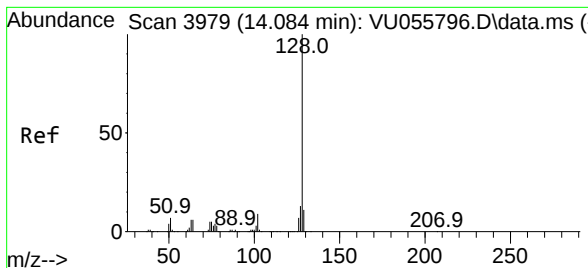
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#88
Hexachlorobutadiene
Concen: 0.837 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:225 Resp: 16111
Ion Ratio Lower Upper
225 100
223 64.9 50.2 75.4
227 66.6 51.5 77.3





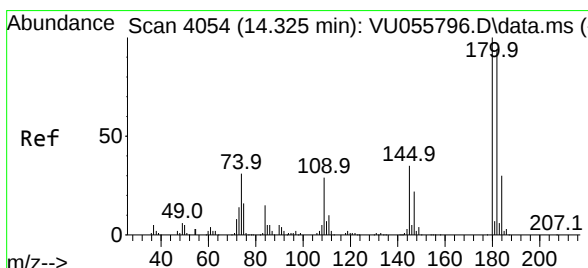
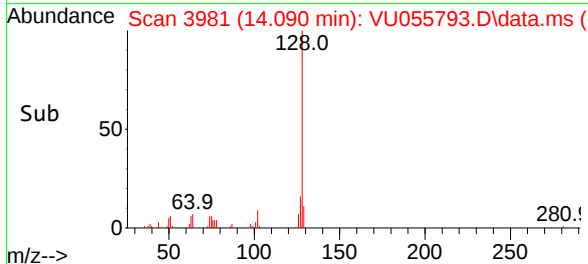
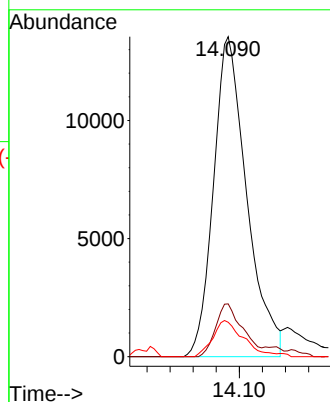
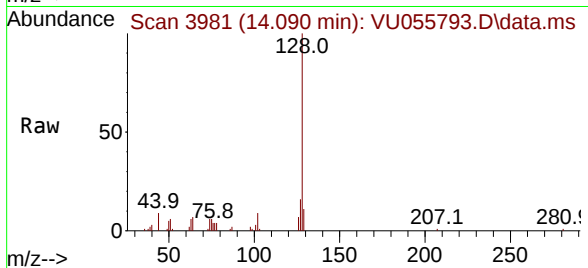
#89
Naphthalene
Concen: 0.642 ug/l
RT: 14.090 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 27074
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 10.6 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.760 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055793.D
Acq: 18 Oct 2023 10:01

Tgt Ion:180 Resp: 18051
Ion Ratio Lower Upper
180 100
182 95.9 75.7 113.5
145 31.4 26.1 39.1

