

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055792.D
 Acq On : 18 Oct 2023 09:36
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Quant Time: Oct 19 02:12:55 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	87960	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	38774	1.118	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	29621	0.921	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	18153	0.531	ug/l	97
3) Chloromethane	1.518	50	16119	0.552	ug/l	98
4) Vinyl Chloride	1.602	62	16515	0.552	ug/l	98
5) Bromomethane	1.856	94	10031	0.609	ug/l	94
6) Chloroethane	1.930	64	9146	0.631	ug/l	94
7) Trichlorofluoromethane	2.136	101	21981	0.557	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	14198	0.540	ug/l	98
9) 1,1-Dichloroethene	2.579	96	13047	0.532	ug/l	86
10) Iodomethane	2.718	142	17722	0.482	ug/l	99
11) Allyl Chloride	2.924	41	16567	0.519	ug/l	97
12) Acrylonitrile	3.338	53	4401	0.955	ug/l	93
13) Acetone	2.644	43	27510	2.797	ug/l	98
14) Carbon Disulfide	2.792	76	42301	0.528	ug/l	97
15) Methylene Chloride	3.042	84	16033	0.554	ug/l	93
16) trans-1,2-Dichloroethene	3.351	96	12923	0.497	ug/l	99
17) 1,1-Dichloroethane	3.866	63	25092	0.519	ug/l	95
18) 2-Butanone	4.724	43	26746	2.524	ug/l	97
19) Cyclohexane	5.383	56	19555m	0.535	ug/l	
20) Methylcyclohexane	6.763	83	19482	0.455	ug/l	97
21) 2,2-Dichloropropane	4.660	77	21378	0.525	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	13880	0.501	ug/l	100
23) Diethyl Ether	2.377	59	8390	0.572	ug/l	98
24) tert-Butyl Alcohol	3.197	59	6675m	4.581	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	25745	0.488	ug/l	99
26) Bromochloromethane	4.975	128	6184	0.526	ug/l	98
27) Chloroform	5.091	83	26243	0.529	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	22942	0.516	ug/l	98
29) 1,1-Dichloropropene	5.525	75	17557	0.498	ug/l	96
30) Carbon Tetrachloride	5.521	117	20014	0.515	ug/l	96
31) Isopropyl Ether	3.991	45	30988	0.477	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	30121	0.480	ug/l	94
33) Tert-Amyl methyl ether	5.936	73	24117	0.449	ug/l	97
34) Propionitrile	4.811	54	3528m	2.164	ug/l	
35) Benzene	5.772	78	53399	0.500	ug/l	99
36) 1,2-Dichloroethane	5.798	62	15205	0.525	ug/l	99
37) Trichloroethene	6.544	130	15134	0.545	ug/l	86
38) 1,2-Dichloropropane	6.788	63	13598	0.488	ug/l	97
39) Methacrylonitrile	5.007	41	2928m	0.480	ug/l	
40) Methyl acrylate	4.882	55	3696	0.367	ug/l #	73
41) Tetrahydrofuran	5.081	42	3918m	1.120	ug/l	
42) 1-Chlorobutane	5.457	56	23678	0.504	ug/l	99
43) Dibromomethane	6.917	93	7017	0.530	ug/l	97
44) Bromodichloromethane	7.107	83	18135	0.518	ug/l #	96

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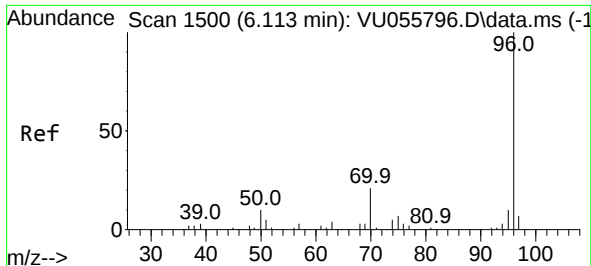
Manual Integrations
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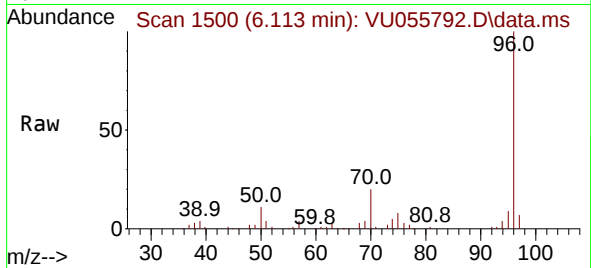
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	32946	2.405	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	4875m	1.034	ug/l	
47) Methyl methacrylate	6.972	69	9293	0.851	ug/l	93
48) Ethyl methacrylate	8.338	69	8712	0.420	ug/l	95
49) Toluene	7.972	92	29035	0.460	ug/l	100
50) t-1,3-Dichloropropene	8.213	75	15379	0.496	ug/l	96
51) cis-1,3-Dichloropropene	7.608	75	18430	0.486	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	10162	0.537	ug/l	95
53) 1,3-Dichloropropane	8.576	76	16331	0.505	ug/l	99
54) 2-Hexanone	8.689	43	38676	2.520	ug/l	94
55) Dibromochloromethane	8.808	129	11894	0.521	ug/l	97
56) 1,2-Dibromoethane	8.926	107	8905	0.515	ug/l	96
58) Tetrachloroethene	8.550	164	15501	0.537	ug/l	94
59) Chlorobenzene	9.447	112	33990	0.487	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	12945	0.521	ug/l	96
61) Pentachloroethane	11.425	117	7929	0.471	ug/l	100
62) Hexachloroethane	12.470	117	7235	0.406	ug/l	93
63) Ethyl Benzene	9.570	91	52806	0.446	ug/l	98
64) m/p-Xylenes	9.695	106	38273	0.841	ug/l	96
65) o-Xylene	10.100	106	19493	0.437	ug/l	93
66) Styrene	10.116	104	27931	0.400	ug/l	96
67) Bromoform	10.290	173	6137	0.500	ug/l #	94
69) Isopropylbenzene	10.483	105	48614	0.423	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	10805	0.488	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	8634m	0.486	ug/l	
72) Bromobenzene	10.782	156	12931	0.471	ug/l	93
73) n-propylbenzene	10.907	120	10536	0.356	ug/l	98
74) 2-Chlorotoluene	10.984	126	12114	0.440	ug/l	92
75) 1,3,5-Trimethylbenzene	11.087	105	37632	0.383	ug/l	100
76) 4-Chlorotoluene	11.097	126	11871	0.423	ug/l	98
77) tert-Butylbenzene	11.418	119	35793	0.397	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	36475	0.375	ug/l	99
79) sec-Butylbenzene	11.640	105	41118	0.362	ug/l	100
80) Nitrobenzene	13.238	77	893	1.460	ug/l #	77
81) p-Isopropyltoluene	11.791	119	32431	0.354	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	25545	0.456	ug/l	100
83) 1,4-Dichlorobenzene	11.840	146	23609	0.436	ug/l	97
84) n-Butylbenzene	12.209	91	27978	0.358	ug/l	98
85) 1,2-Dichlorobenzene	12.213	146	23853	0.466	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1277	0.404	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.843	180	10690	0.385	ug/l	98
88) Hexachlorobutadiene	14.020	225	9093	0.471	ug/l	91
89) Naphthalene	14.093	128	15333	0.363	ug/l	96
90) 1,2,3-Trichlorobenzene	14.331	180	8905	0.374	ug/l	96

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
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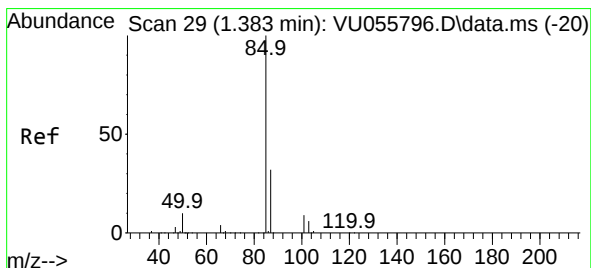
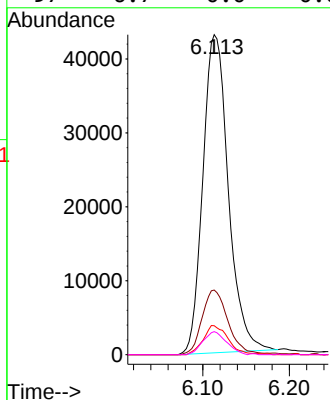
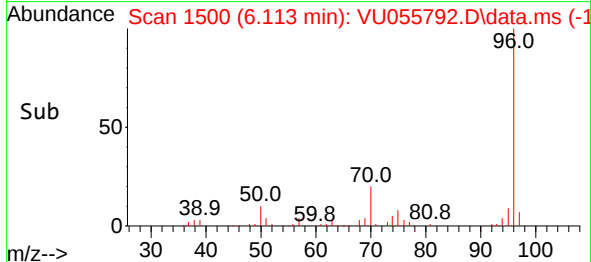
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 96	Resp: 87960
Ion Ratio	Lower Upper
96 100	
70 20.1	16.5 24.7
95 9.0	7.4 11.0
97 6.7	0.0 0.0#

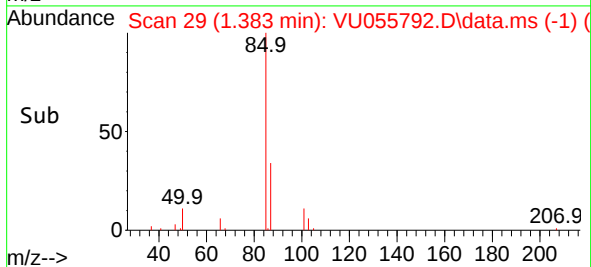
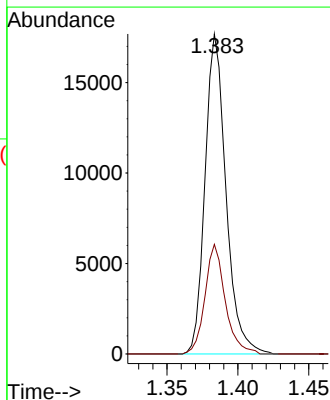
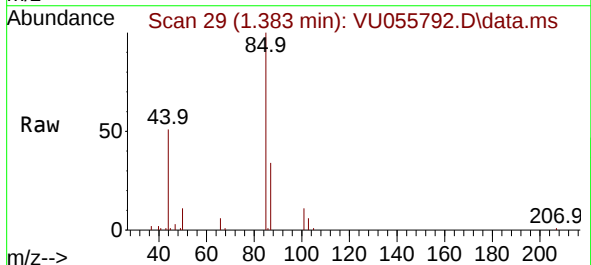
Manual Integrations
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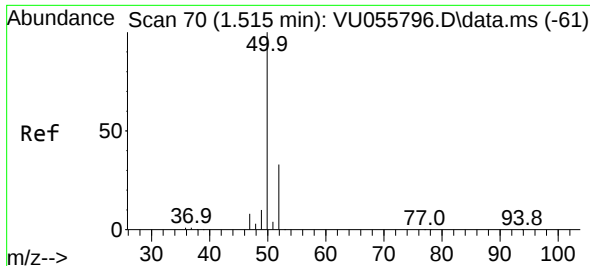
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 0.531 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

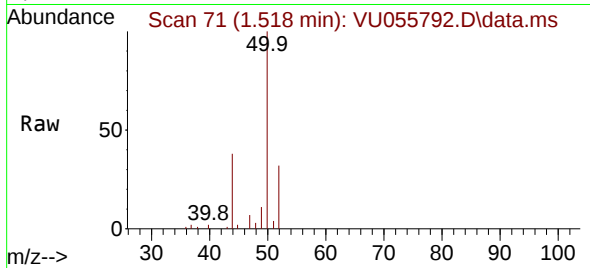
Tgt Ion: 85	Resp: 18153
Ion Ratio	Lower Upper
85 100	
87 34.3	16.2 48.6





#3
Chloromethane
Concen: 0.552 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

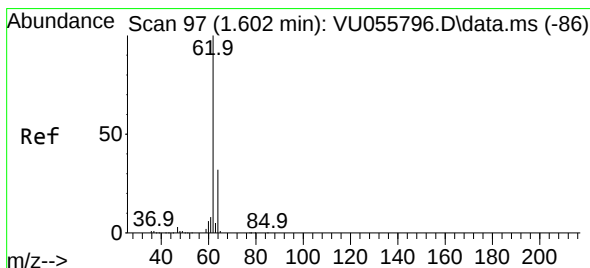
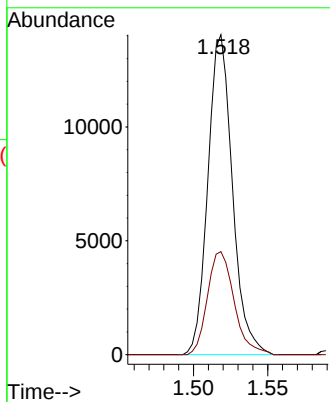
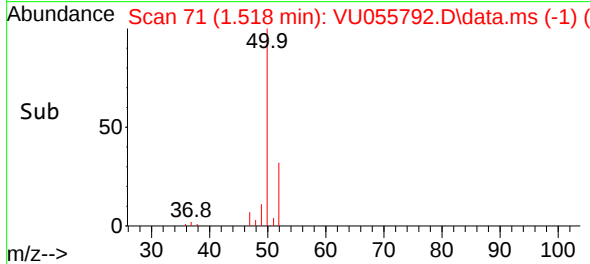
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



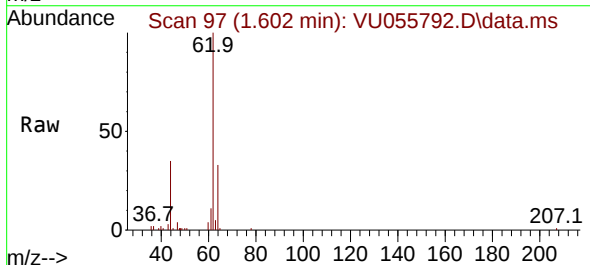
Tgt Ion: 50 Resp: 16119
Ion Ratio Lower Upper
50 100
52 32.2 26.6 40.0

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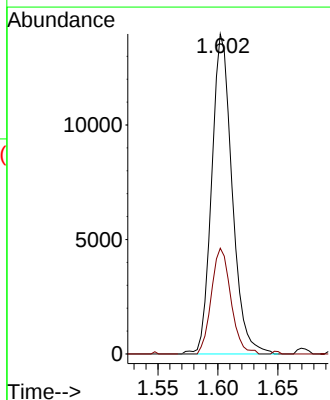
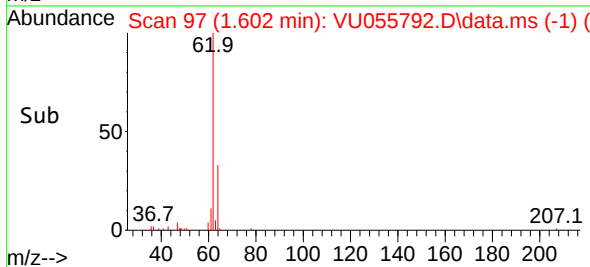
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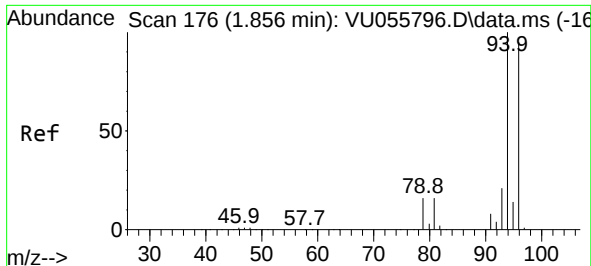


#4
Vinyl Chloride
Concen: 0.552 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



Tgt Ion: 62 Resp: 16515
Ion Ratio Lower Upper
62 100
64 33.0 25.4 38.2





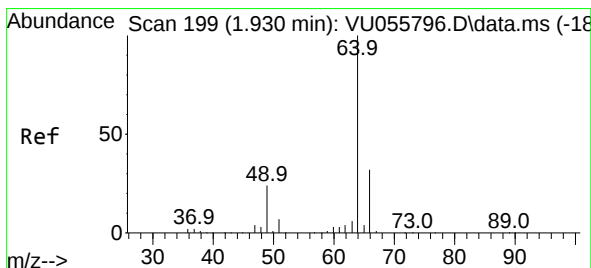
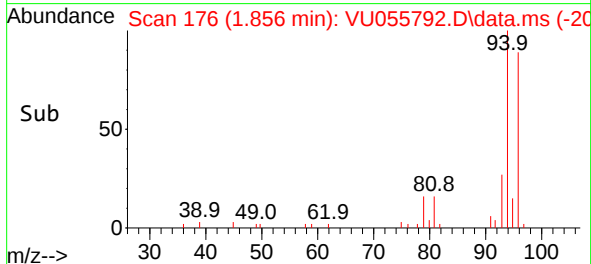
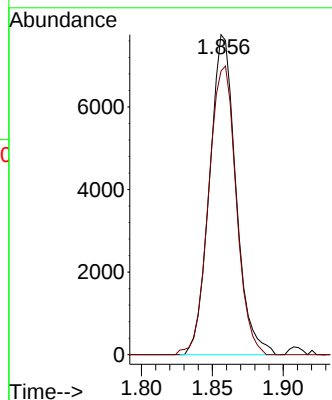
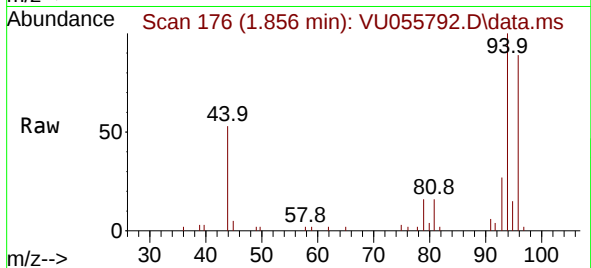
#5
Bromomethane
Concen: 0.609 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 94 Resp: 1003
Ion Ratio Lower Upper
94 100
96 88.7 75.4 113.2

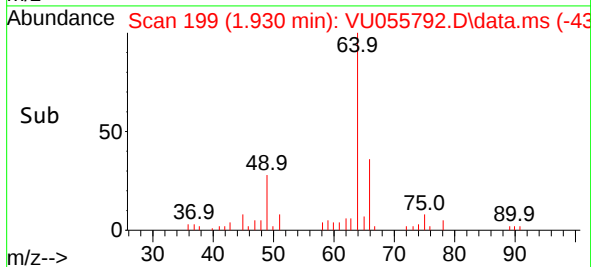
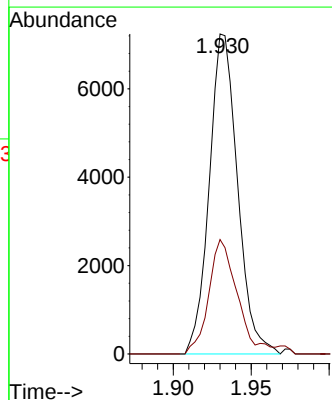
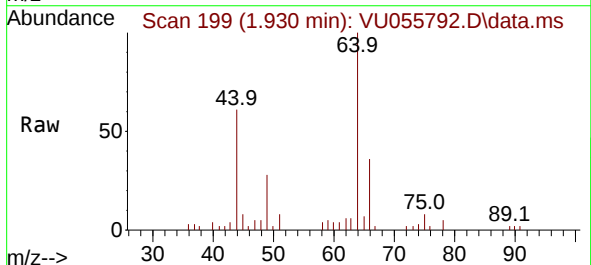
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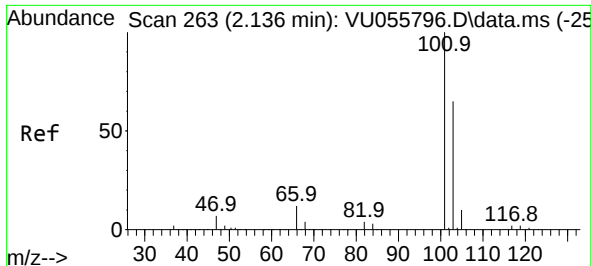
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 0.631 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 64 Resp: 9146
Ion Ratio Lower Upper
64 100
66 35.7 26.0 39.0





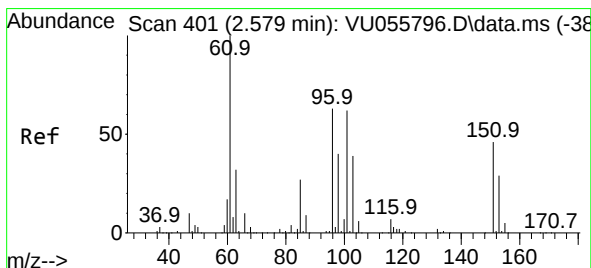
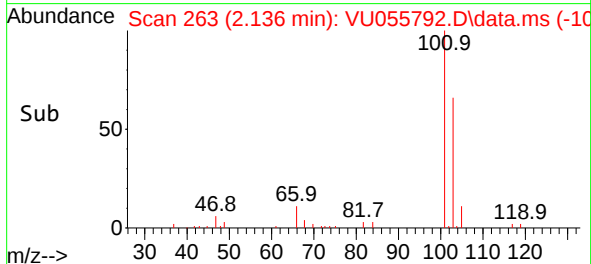
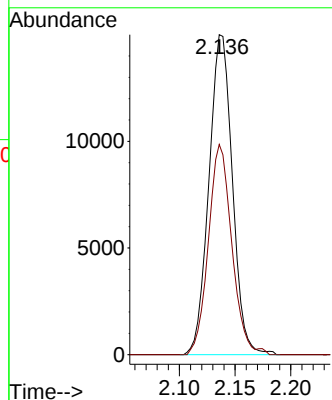
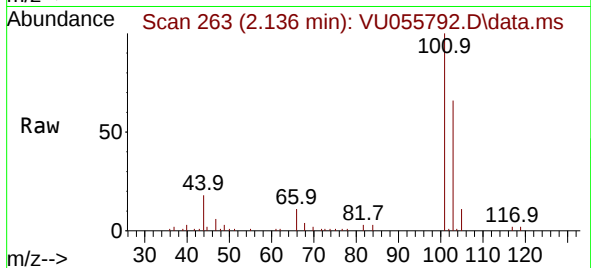
#7
Trichlorofluoromethane
Concen: 0.557 ug/l
RT: 2.136 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
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ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 2198
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.0

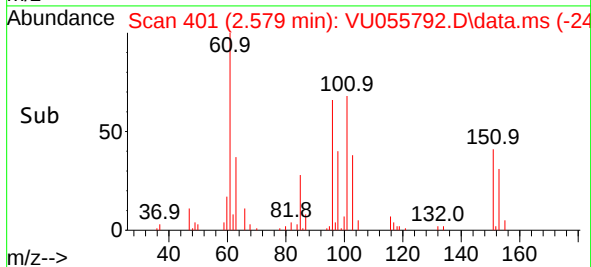
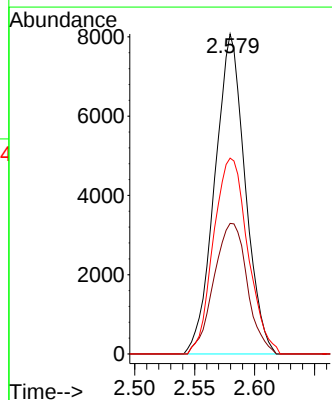
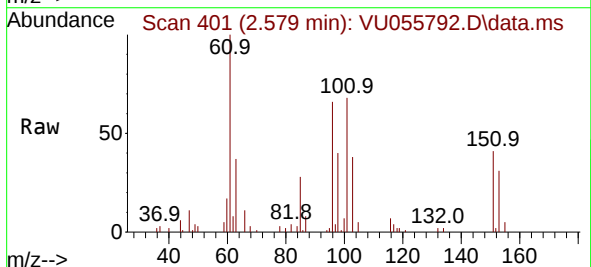
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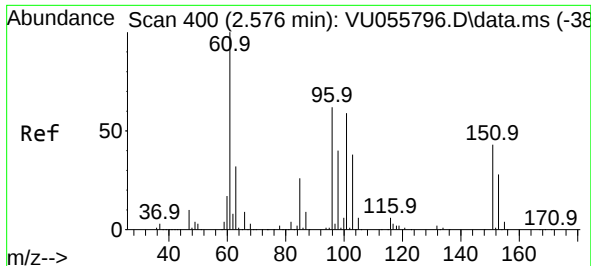
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.540 ug/l
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

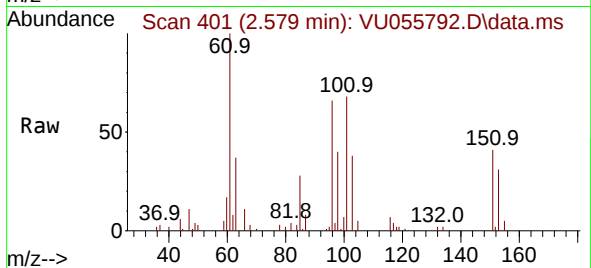
Tgt Ion:101 Resp: 14198
Ion Ratio Lower Upper
101 100
85 44.9 35.4 53.0
151 69.2 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.532 ug/l
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

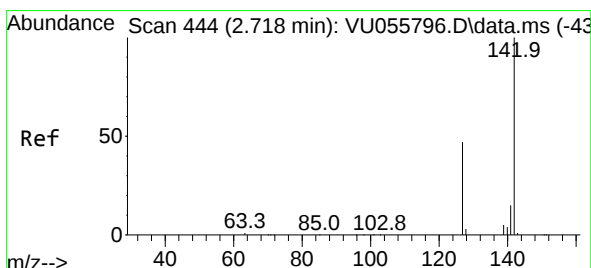
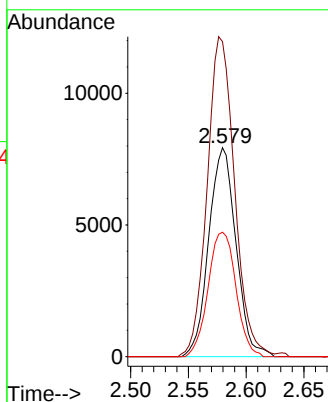
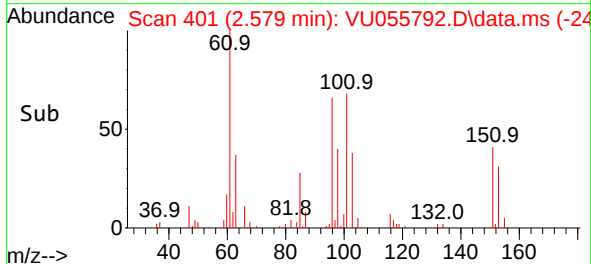
Instrument :
MSVOA_U
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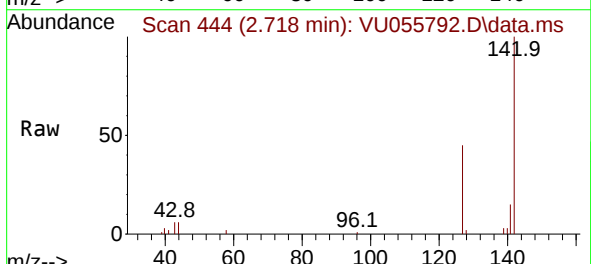
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Ion Ratio Lower Upper
96 100
61 149.1 0.0 521.4
98 59.6 0.0 125.8

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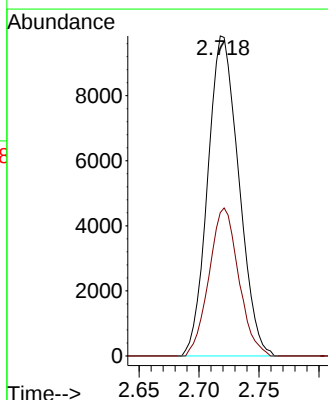
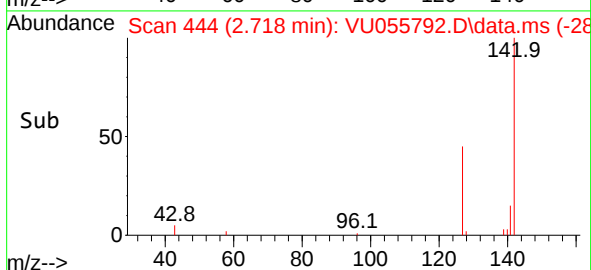
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

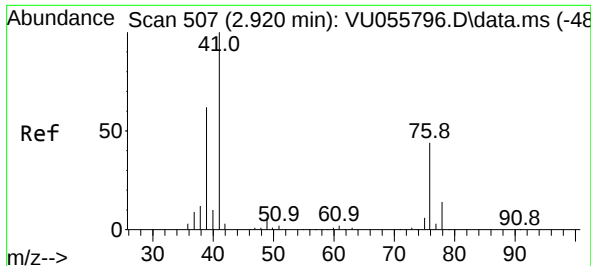


#10
Iodomethane
Concen: 0.482 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



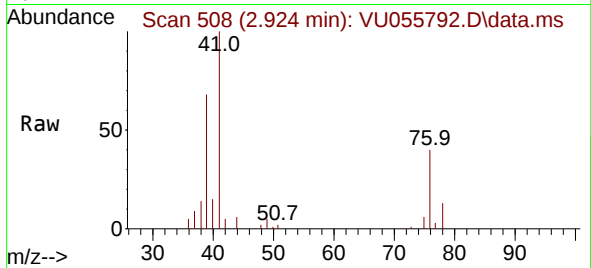
Tgt Ion:142 Resp: 17722
Ion Ratio Lower Upper
142 100
127 44.1 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.519 ug/l
 RT: 2.924 min Scan# 507
 Delta R.T. 0.004 min
 Lab File: VU055792.D
 Acq: 18 Oct 2023 09:36

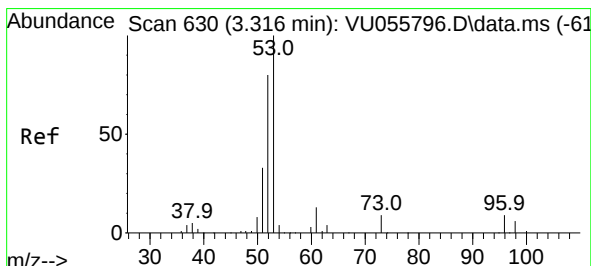
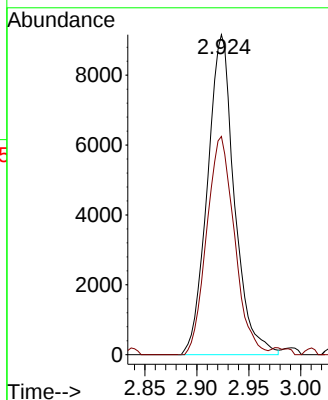
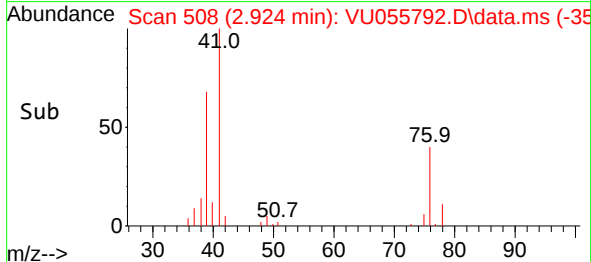
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 1656
 Ion Ratio Lower Upper
 41 100
 39 70.2 54.2 81.2

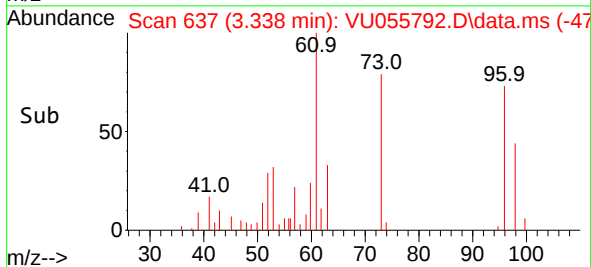
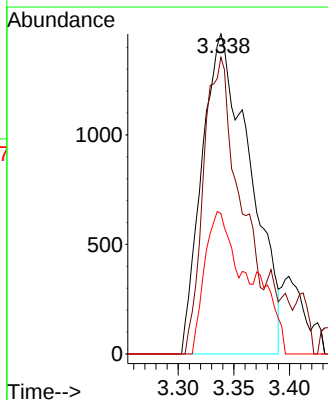
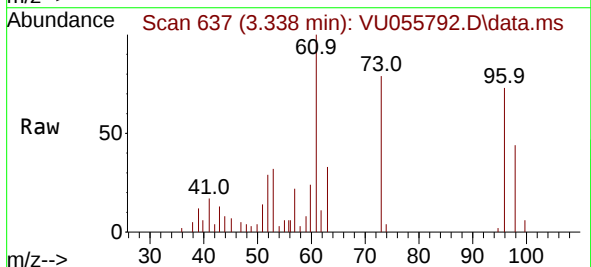
Manual Integrations
 APPROVED

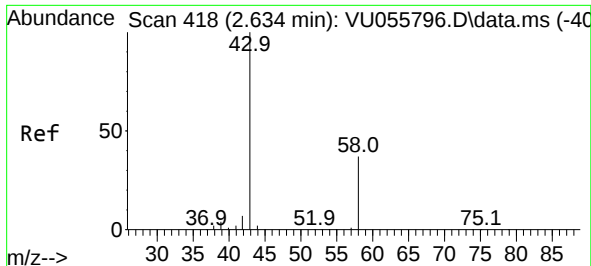
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#12
 Acrylonitrile
 Concen: 0.955 ug/l
 RT: 3.338 min Scan# 637
 Delta R.T. 0.022 min
 Lab File: VU055792.D
 Acq: 18 Oct 2023 09:36

Tgt Ion: 53 Resp: 4401
 Ion Ratio Lower Upper
 53 100
 52 71.3 62.9 94.3
 51 32.1 27.8 41.6





#13

Acetone

Concen: 2.797 ug/l

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 27510

Ion Ratio Lower Upper

43 100

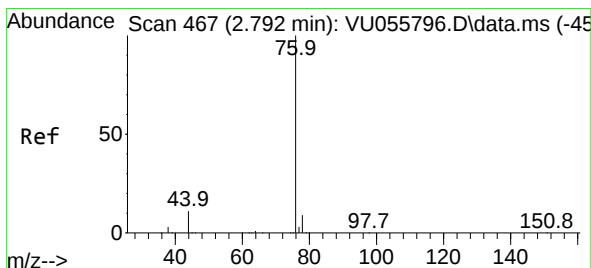
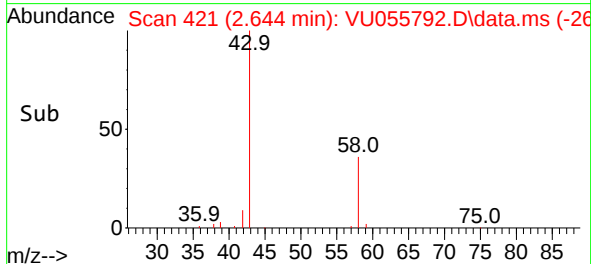
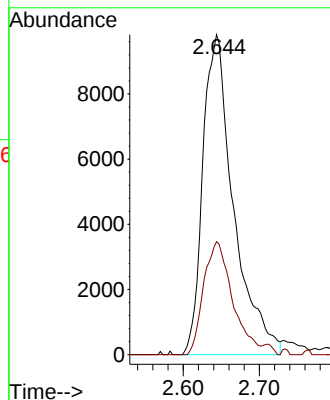
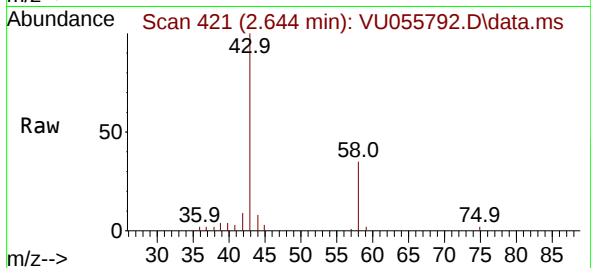
58 35.3 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 0.528 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055792.D

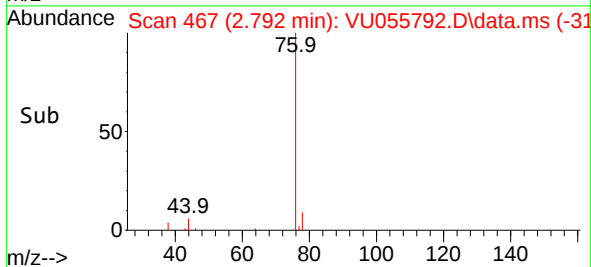
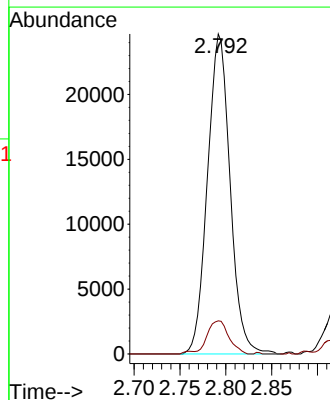
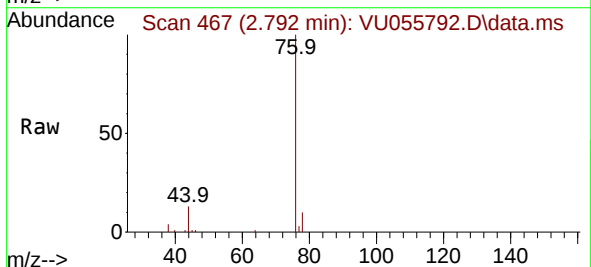
Acq: 18 Oct 2023 09:36

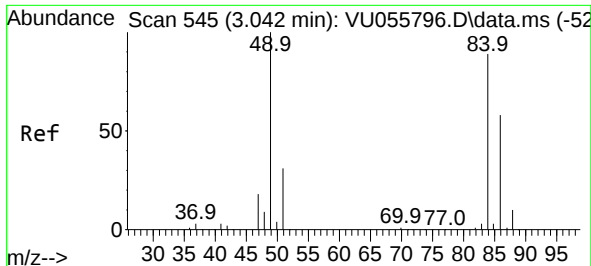
Tgt Ion: 76 Resp: 42301

Ion Ratio Lower Upper

76 100

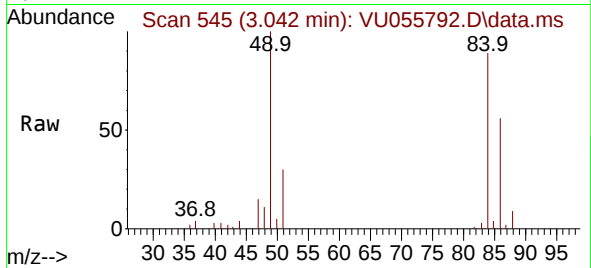
78 10.4 7.4 11.0





#15
Methylene Chloride
Concen: 0.554 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

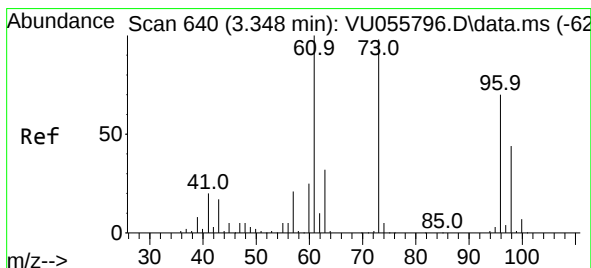
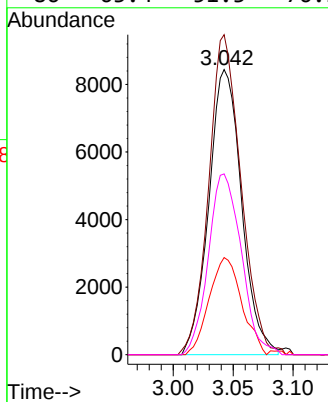
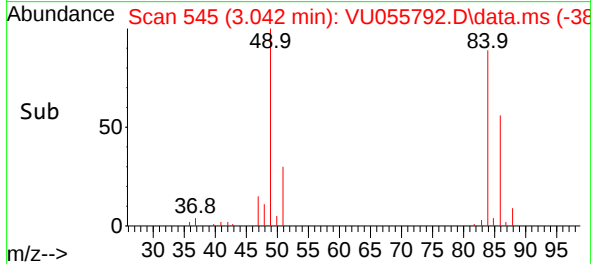
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



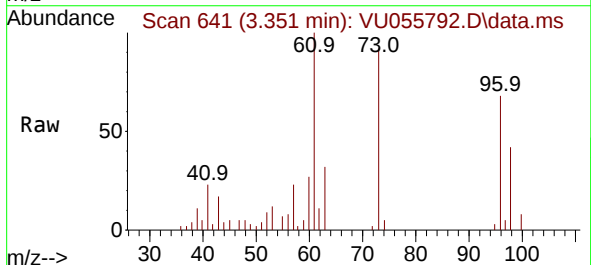
Tgt Ion: 84 Resp: 1603
Ion Ratio Lower Upper
84 100
49 112.3 98.9 148.3
51 34.1 0.0 75.4
86 63.4 51.3 76.9

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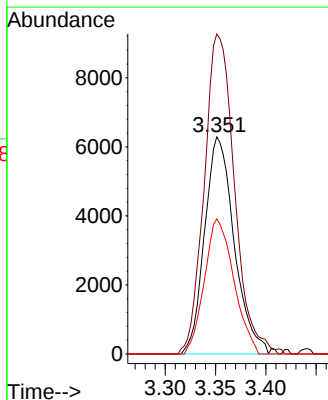
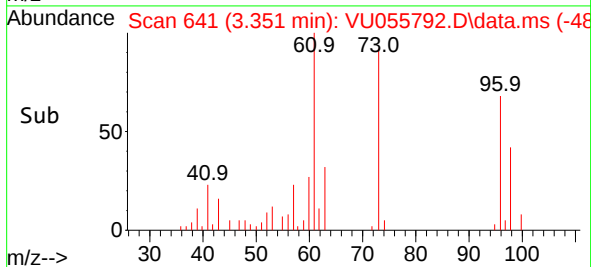
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

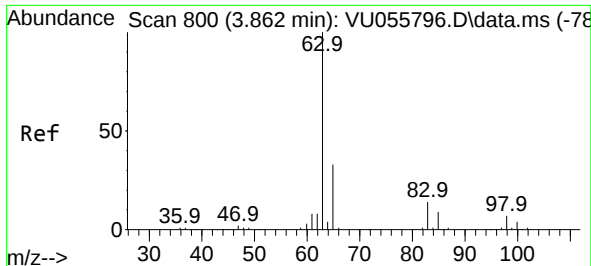


#16
trans-1,2-Dichloroethene
Concen: 0.497 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



Tgt Ion: 96 Resp: 12923
Ion Ratio Lower Upper
96 100
61 147.4 117.5 176.3
98 62.2 48.3 72.5





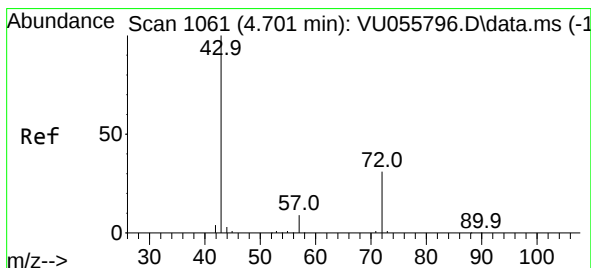
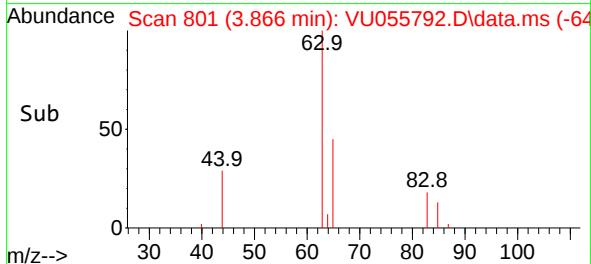
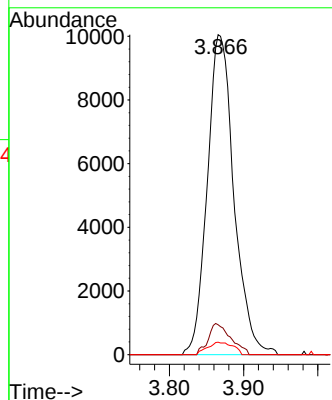
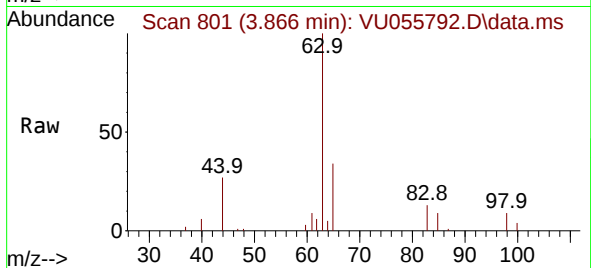
#17
1,1-Dichloroethane
Concen: 0.519 ug/l
RT: 3.866 min Scan# 800
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 63 Resp: 25092
Ion Ratio Lower Upper
63 100
98 9.4 3.4 10.1
100 3.9 2.2 6.6

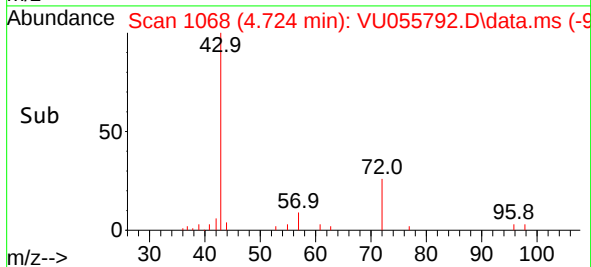
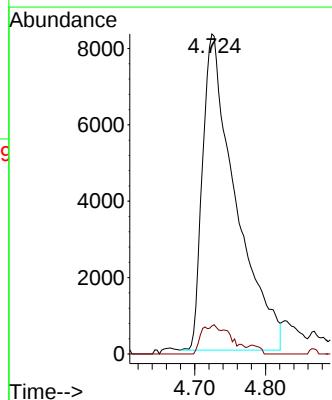
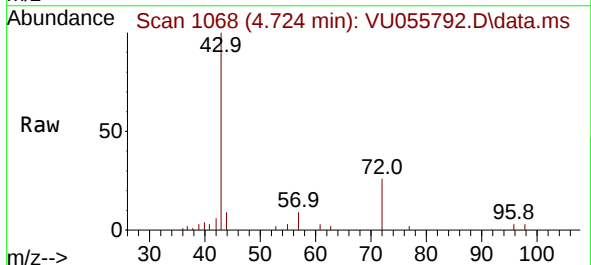
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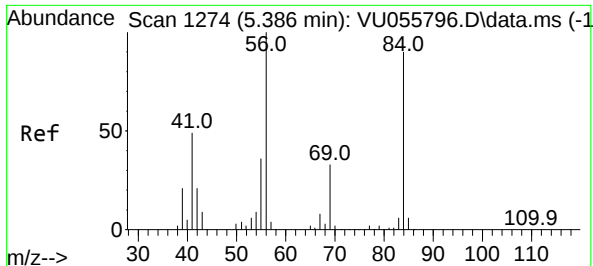
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 2.524 ug/l
RT: 4.724 min Scan# 1068
Delta R.T. 0.023 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 43 Resp: 26746
Ion Ratio Lower Upper
43 100
57 8.9 0.0 19.6





#19

Cyclohexane

Concen: 0.535 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

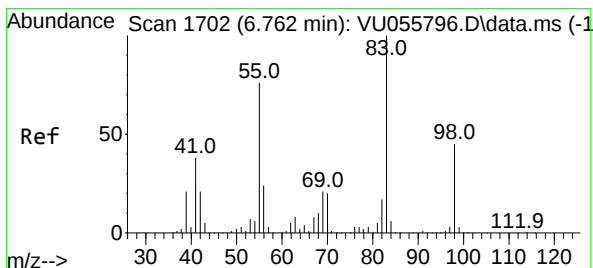
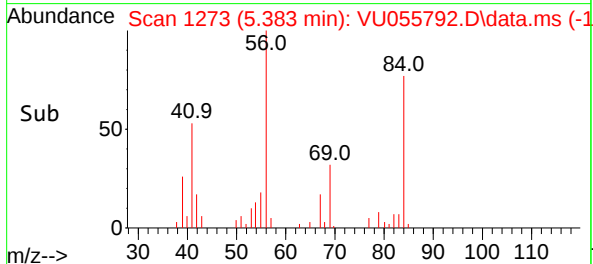
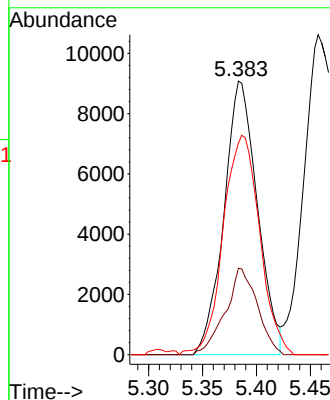
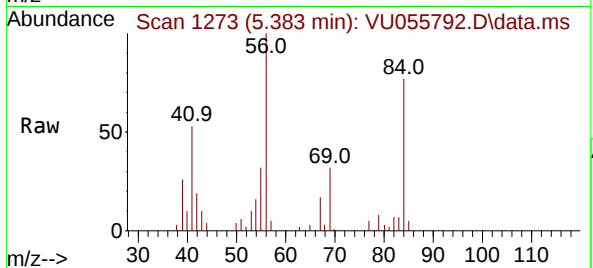
Tgt Ion:	56	Resp:	1955
Ion Ratio	Lower	Upper	
56	100		
69	30.2	24.6	37.0
84	87.4	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.455 ug/l

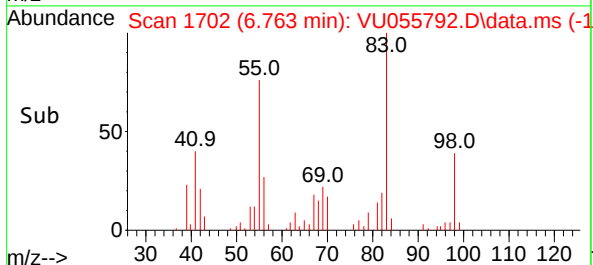
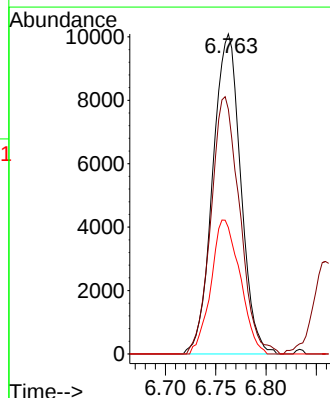
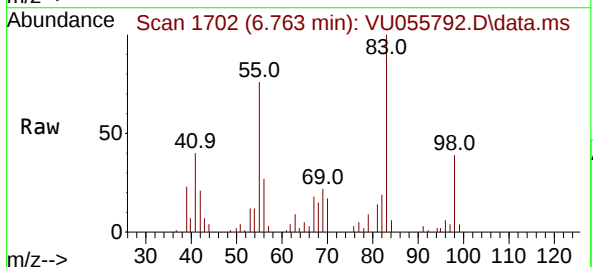
RT: 6.763 min Scan# 1702

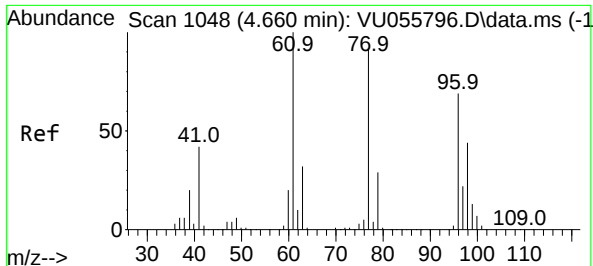
Delta R.T. 0.001 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion:	83	Resp:	19482
Ion Ratio	Lower	Upper	
83	100		
55	82.7	63.5	95.3
98	43.6	36.0	54.0





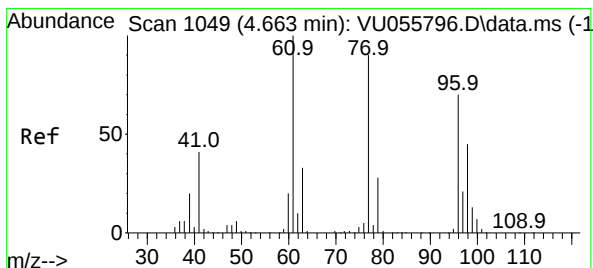
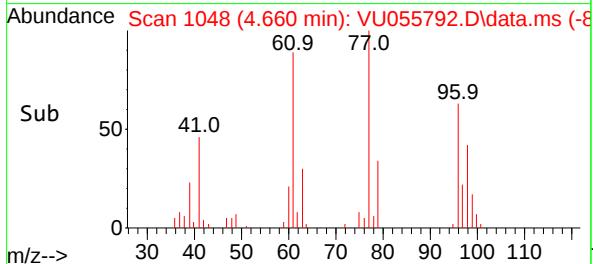
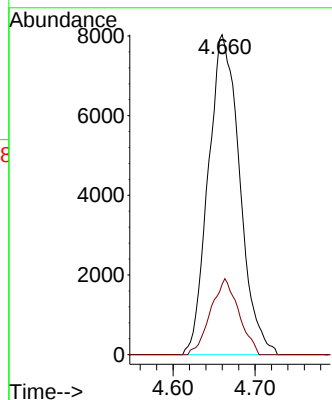
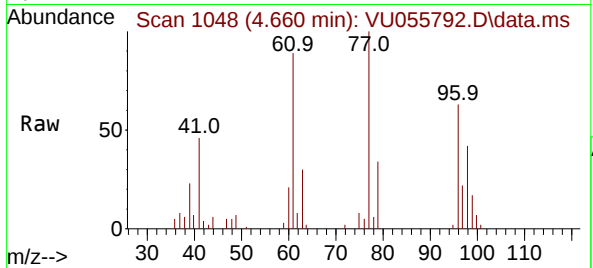
#21
2,2-Dichloropropane
Concen: 0.525 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 77 Resp: 21378
Ion Ratio Lower Upper
77 100
97 21.3 18.4 27.6

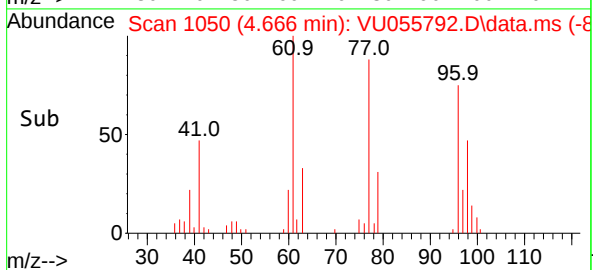
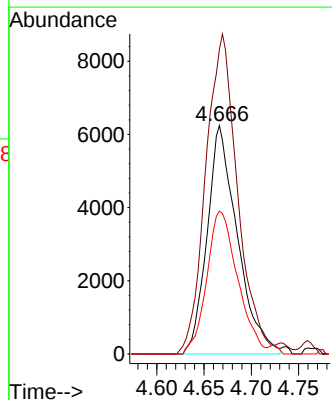
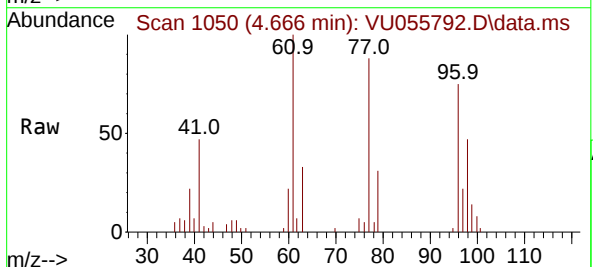
Manual Integrations
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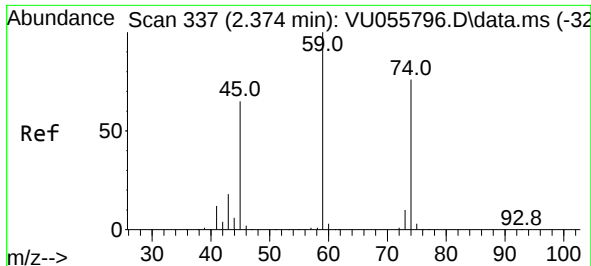
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 0.501 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 96 Resp: 13880
Ion Ratio Lower Upper
96 100
61 147.0 0.0 365.8
98 63.8 32.0 96.0





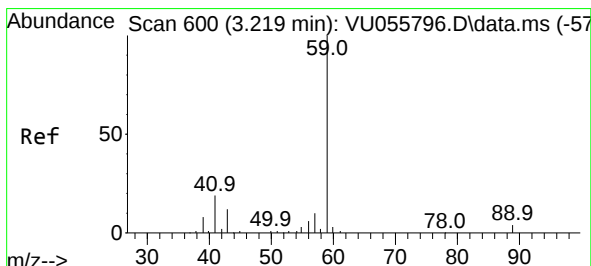
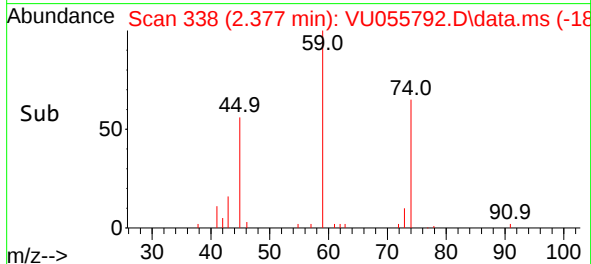
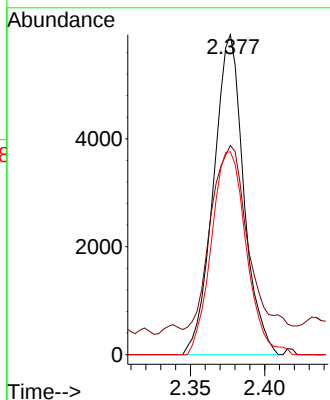
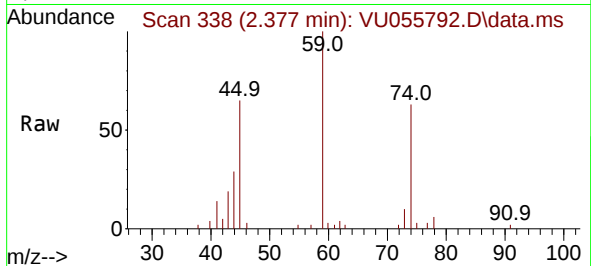
#23
Diethyl Ether
Concen: 0.572 ug/l
RT: 2.377 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 8390
Ion Ratio Lower Upper
59 100
45 72.6 56.1 84.1
74 73.2 57.4 86.2

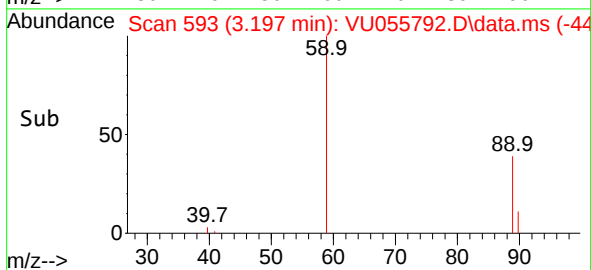
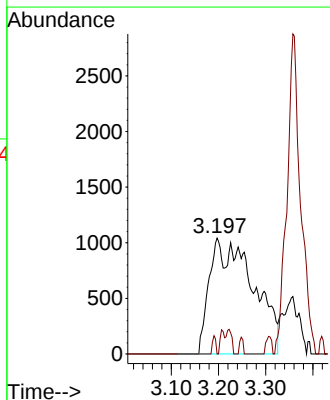
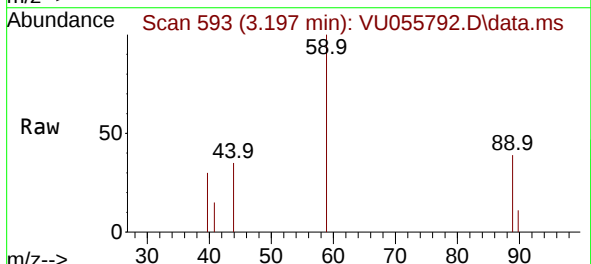
Manual Integrations
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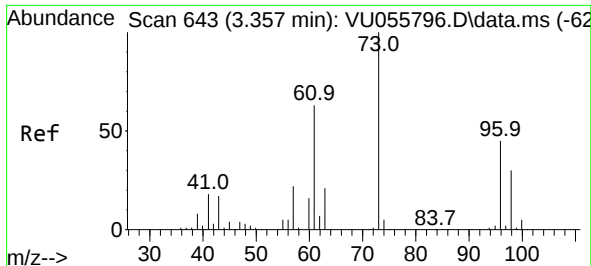
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 4.581 ug/l m
RT: 3.197 min Scan# 593
Delta R.T. -0.022 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 59 Resp: 6675
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





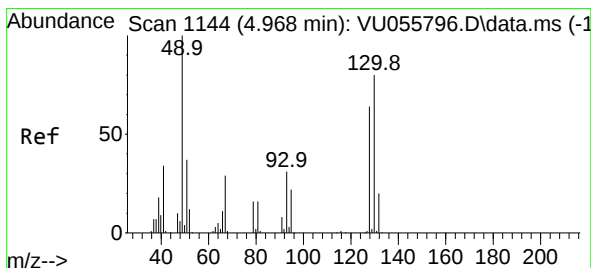
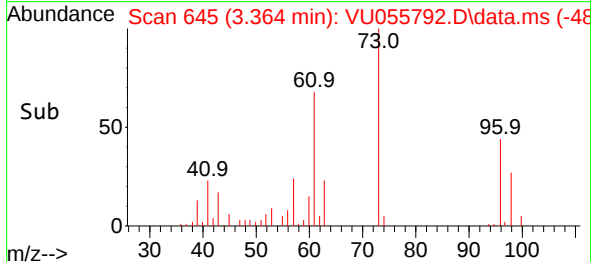
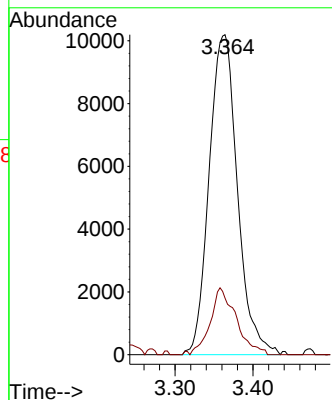
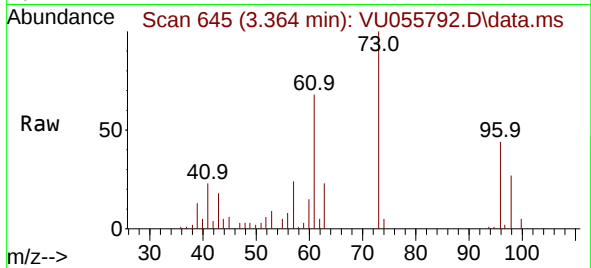
#25
Methyl tert-Butyl Ether
Concen: 0.488 ug/l
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 2574
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.6

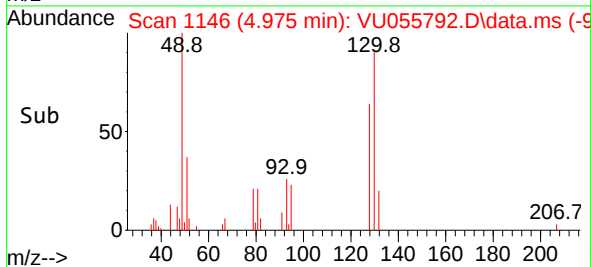
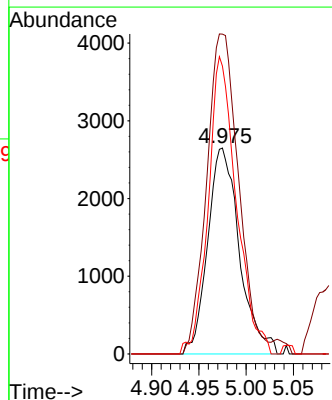
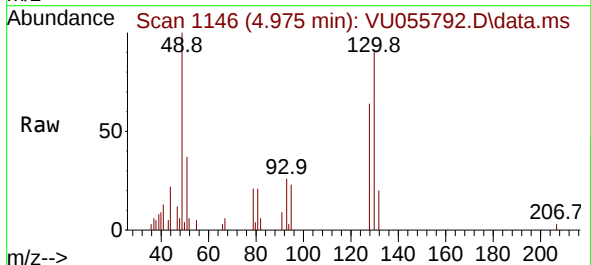
Manual Integrations
APPROVED

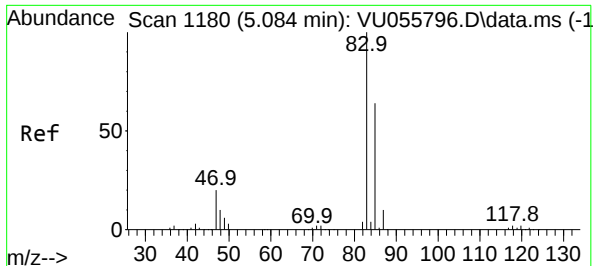
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#26
Bromochloromethane
Concen: 0.526 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:128 Resp: 6184
Ion Ratio Lower Upper
128 100
49 156.7 0.0 324.6
130 128.8 103.0 154.4





#27

Chloroform

Concen: 0.529 ug/l

RT: 5.091 min Scan# 1180

Delta R.T. 0.007 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 2624

Ion Ratio Lower Upper

83 100

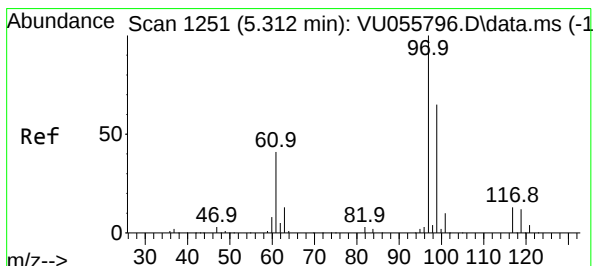
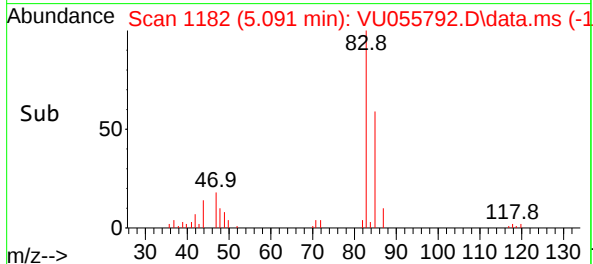
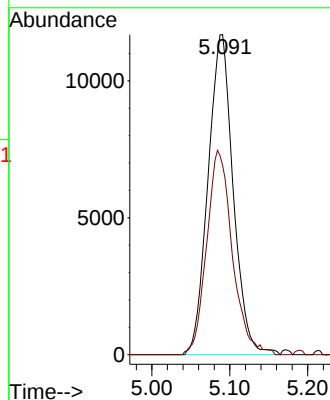
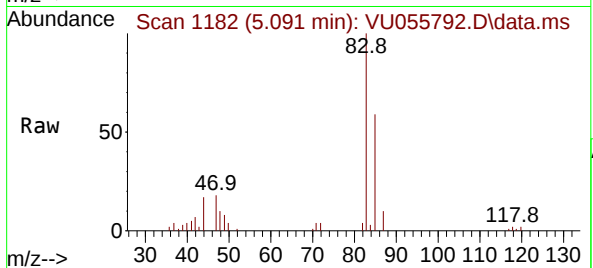
85 59.2 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.516 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

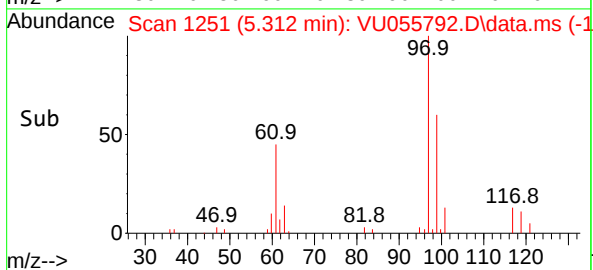
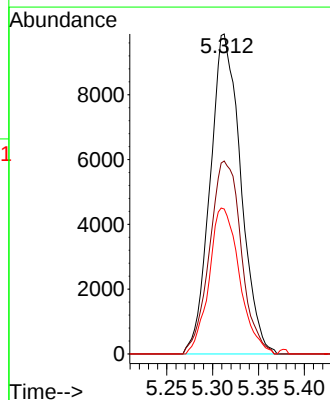
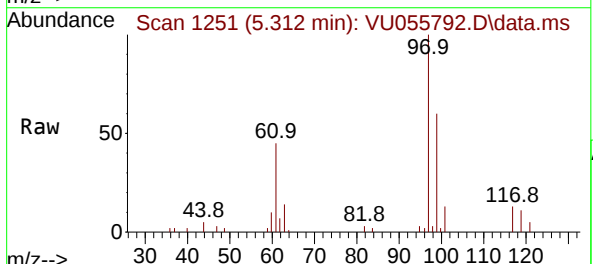
Tgt Ion: 97 Resp: 22942

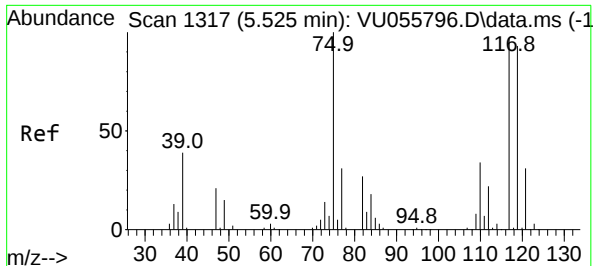
Ion Ratio Lower Upper

97 100

99 62.4 32.0 96.2

61 45.3 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.498 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 1755

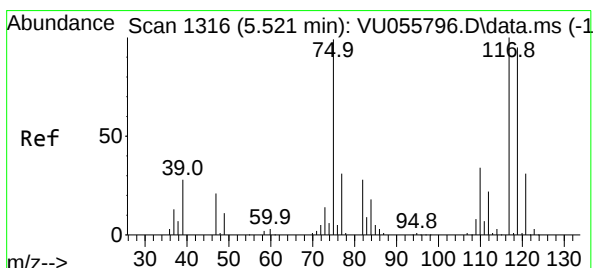
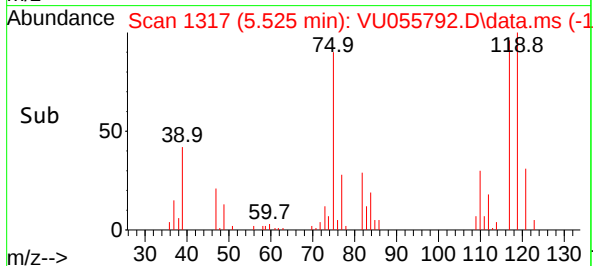
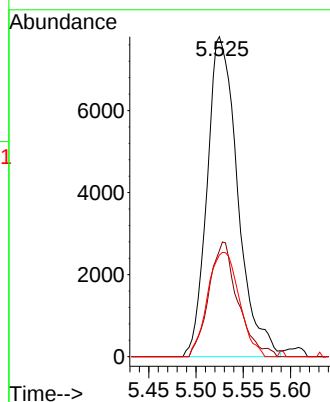
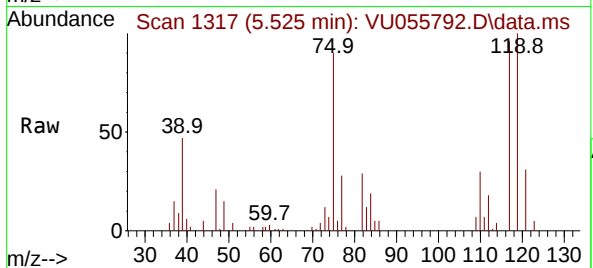
Ion	Ratio	Lower	Upper
75	100		
110	34.1	18.0	54.0
77	33.7	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.515 ug/l

RT: 5.521 min Scan# 1316

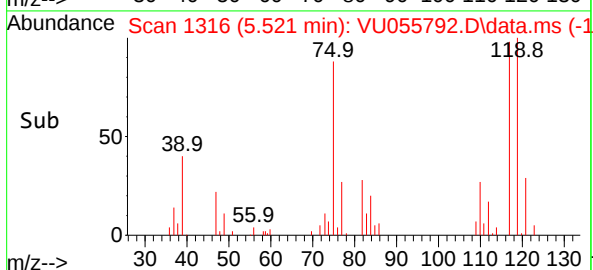
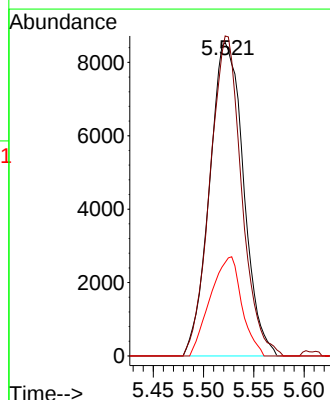
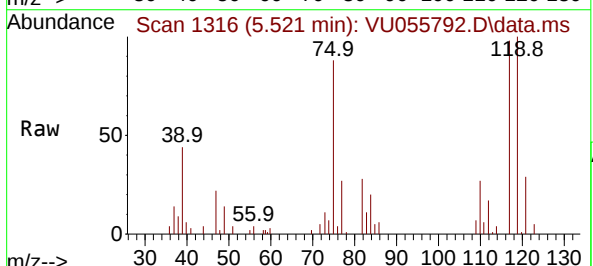
Delta R.T. 0.000 min

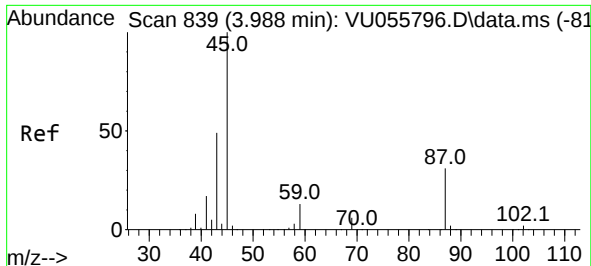
Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion:117 Resp: 20014

Ion	Ratio	Lower	Upper
117	100		
119	102.1	77.4	116.0
121	29.8	24.0	36.0





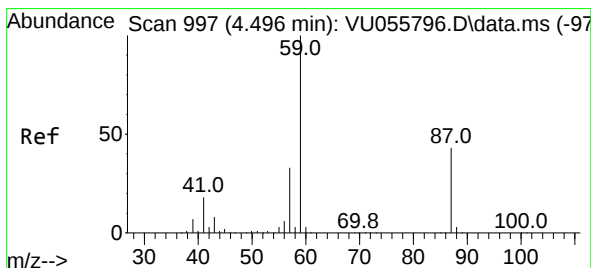
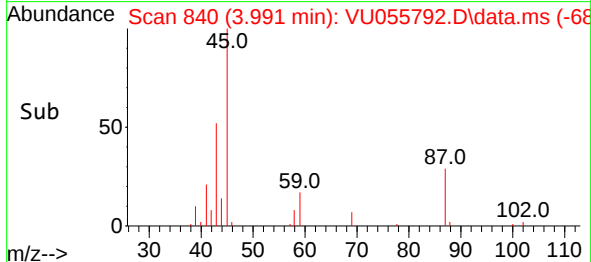
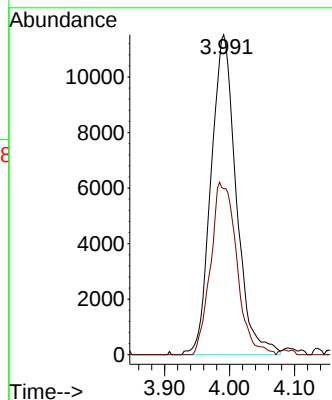
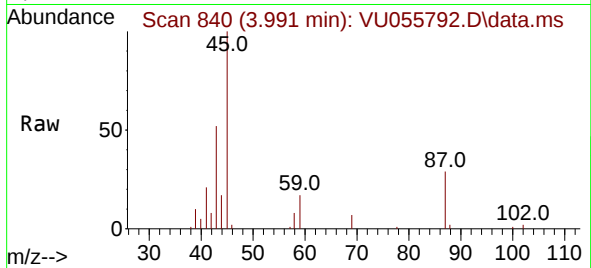
#31
Isopropyl Ether
Concen: 0.477 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 3098
Ion Ratio Lower Upper
45 100
43 55.9 27.5 82.5

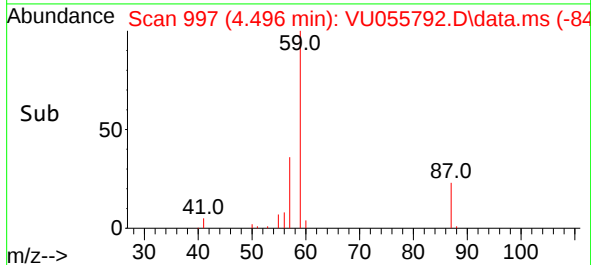
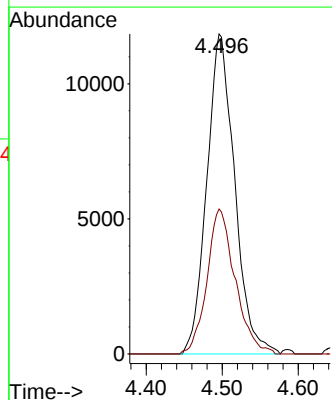
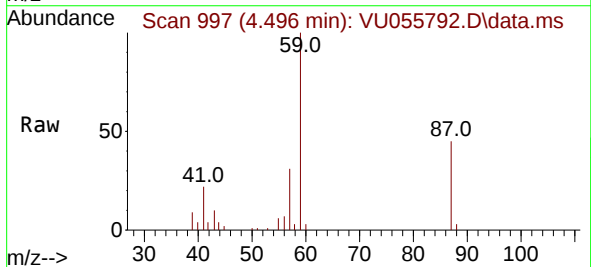
Manual Integrations
APPROVED

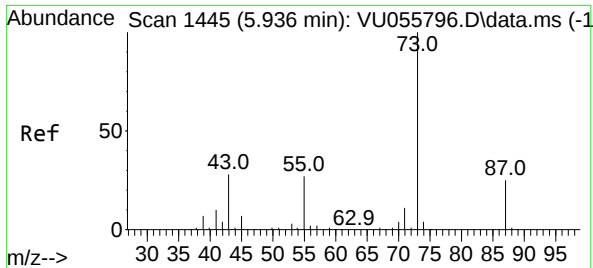
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#32
Ethyl-t-butyl ether
Concen: 0.480 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 59 Resp: 30121
Ion Ratio Lower Upper
59 100
87 45.9 33.5 50.3





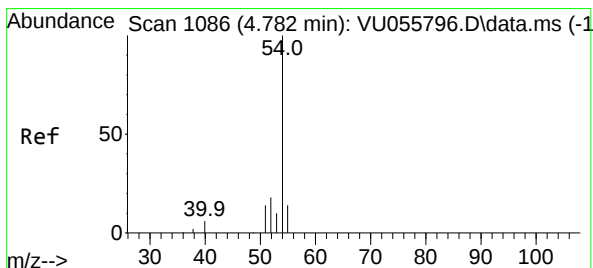
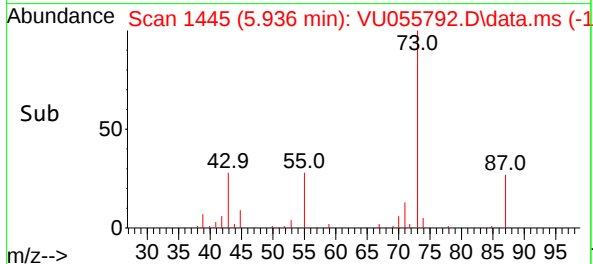
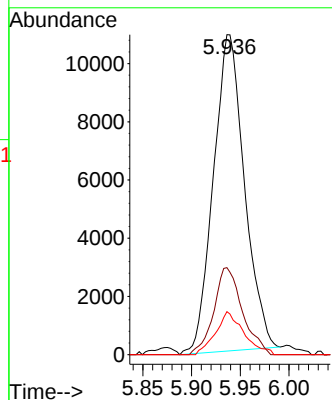
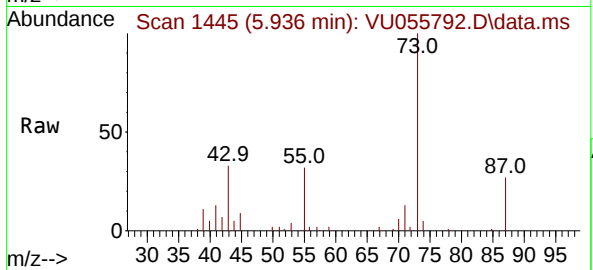
#33
Tert-Amyl methyl ether
Concen: 0.449 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 2411
Ion Ratio Lower Upper
73 100
87 25.3 18.6 28.0
71 12.4 9.9 14.9

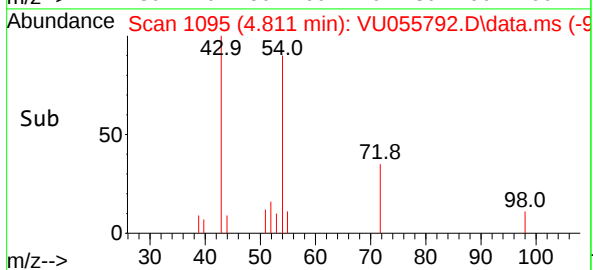
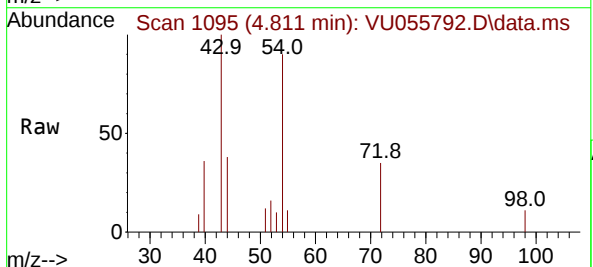
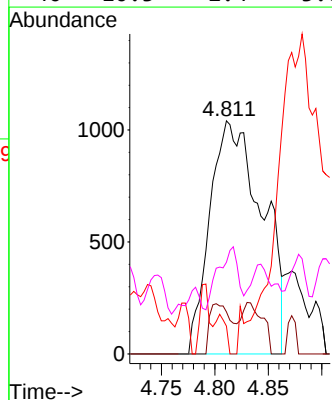
Manual Integrations
APPROVED

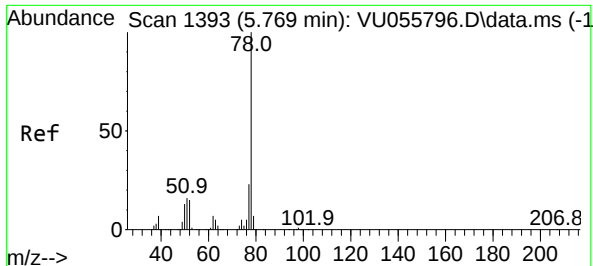
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#34
Propionitrile
Concen: 2.164 ug/l m
RT: 4.811 min Scan# 1095
Delta R.T. 0.029 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 54 Resp: 3528
Ion Ratio Lower Upper
54 100
52 9.0 17.4 26.0#
55 3.3 104.1 156.1#
40 10.3 2.4 3.6#





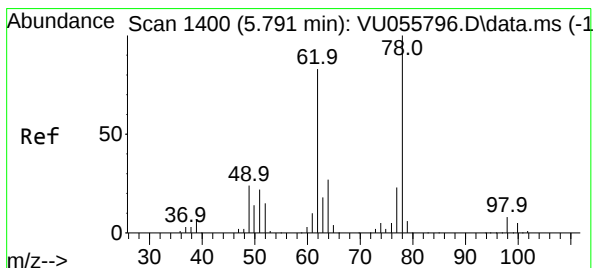
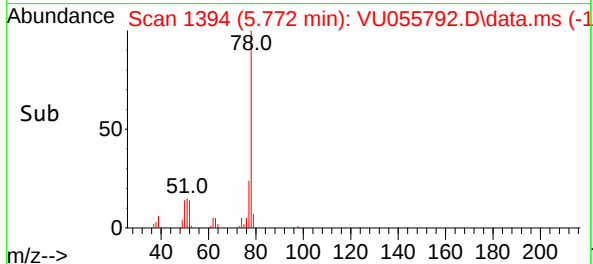
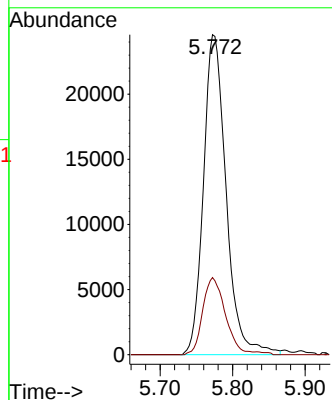
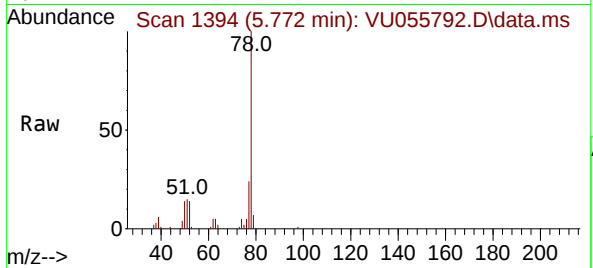
#35
Benzene
Concen: 0.500 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 78 Resp: 5339
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

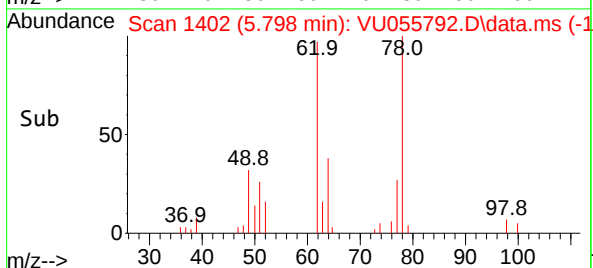
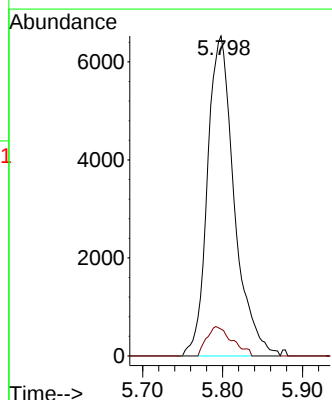
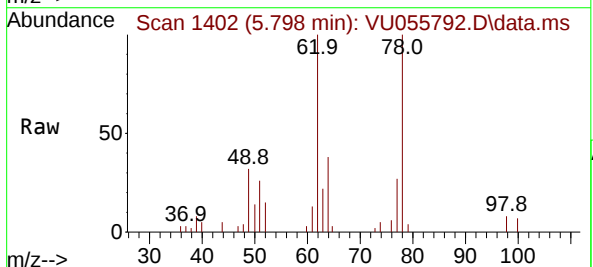
Manual Integrations
APPROVED

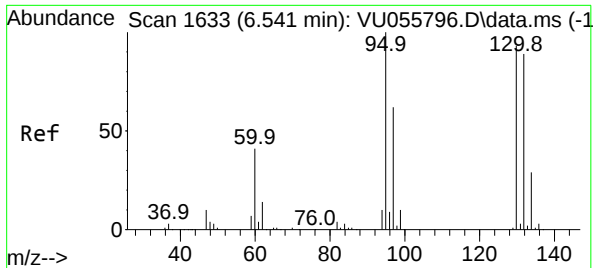
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 0.525 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion: 62 Resp: 15205
Ion Ratio Lower Upper
62 100
98 8.7 7.3 10.9





#37

Trichloroethene

Concen: 0.545 ug/l

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 15134

Ion Ratio Lower Upper

130 100

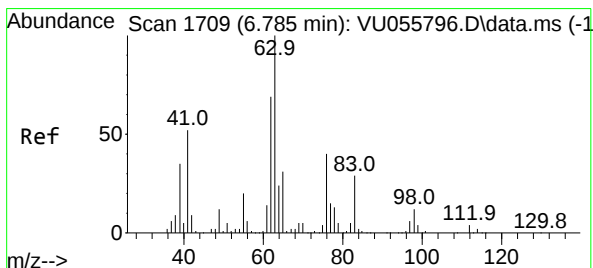
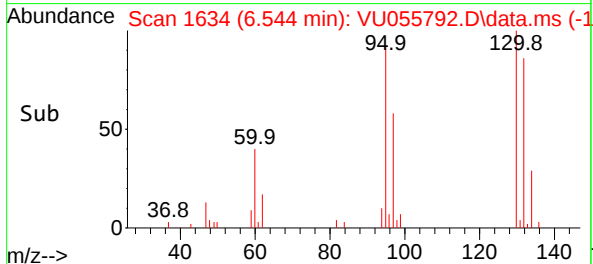
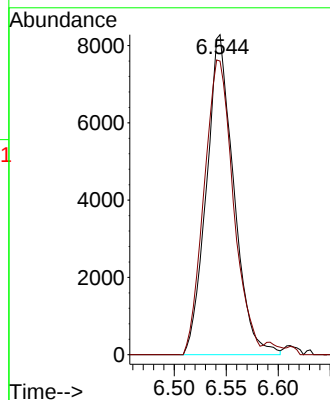
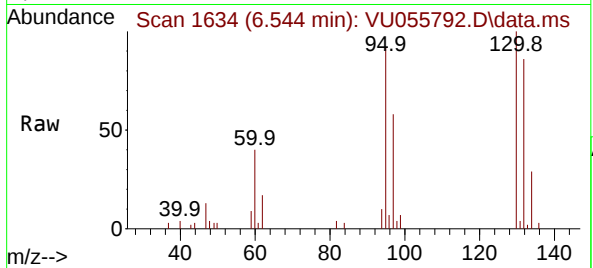
95 91.7 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 0.488 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU055792.D

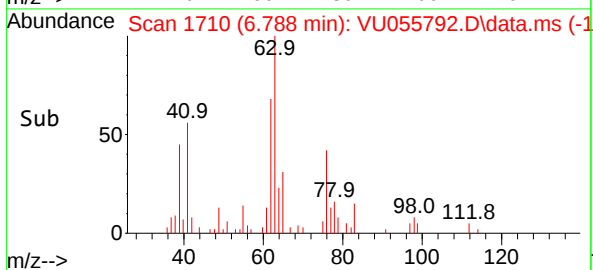
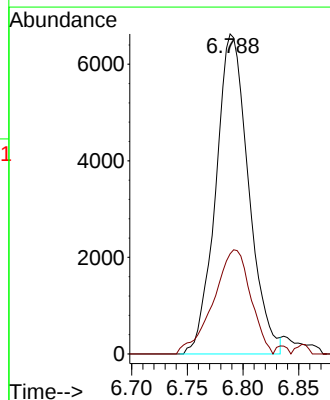
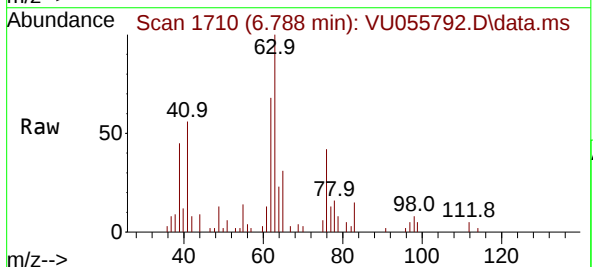
Acq: 18 Oct 2023 09:36

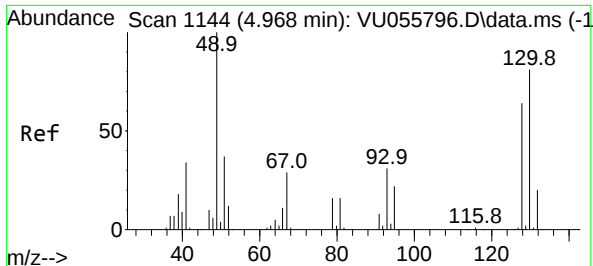
Tgt Ion: 63 Resp: 13598

Ion Ratio Lower Upper

63 100

65 29.6 24.9 37.3





#39

Methacrylonitrile

Concen: 0.480 ug/l m

RT: 5.007 min Scan# 1117

Delta R.T. 0.039 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 2928

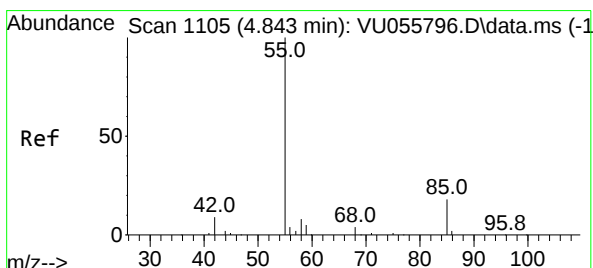
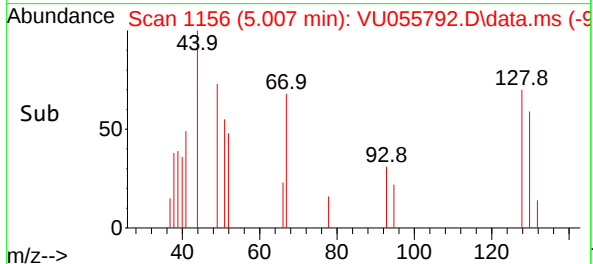
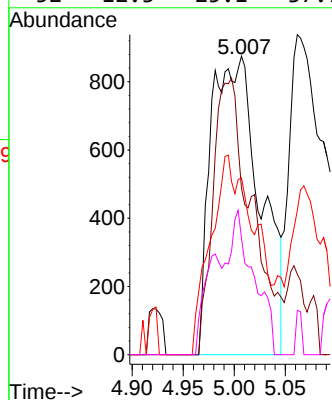
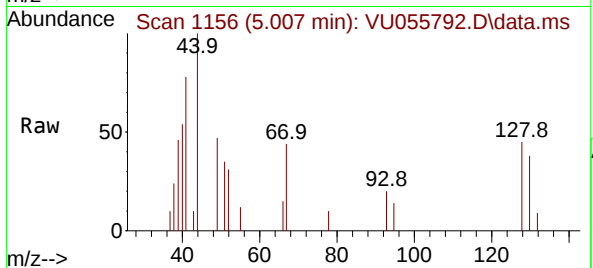
Ion	Ratio	Lower	Upper
41	100		
67	0.0	66.8	100.2
39	0.0	41.2	61.8
52	12.3	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 0.367 ug/l

RT: 4.882 min Scan# 1117

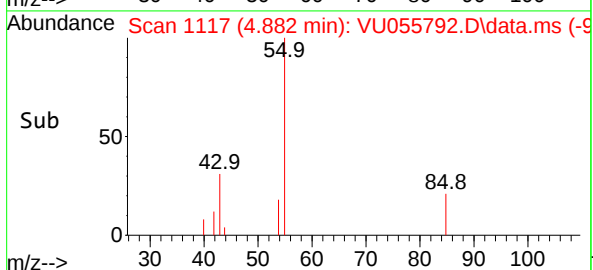
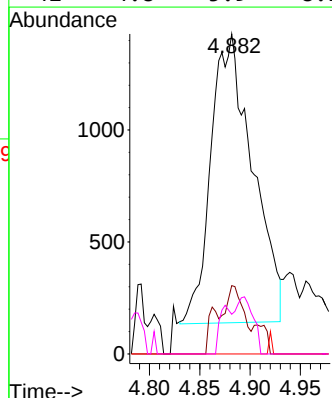
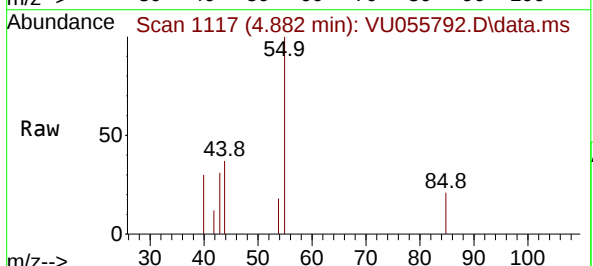
Delta R.T. 0.039 min

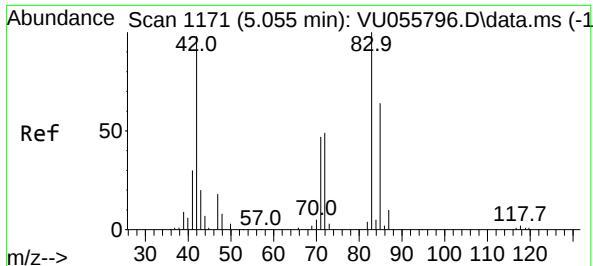
Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion: 55 Resp: 3696

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9
58	0.0	6.5	9.7
42	4.8	5.9	8.9





#41

Tetrahydrofuran

Concen: 1.120 ug/l

RT: 5.081 min Scan# 1171

Delta R.T. 0.026 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

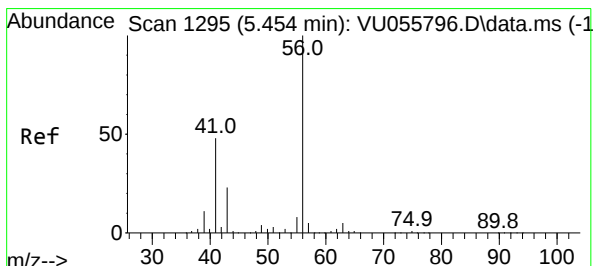
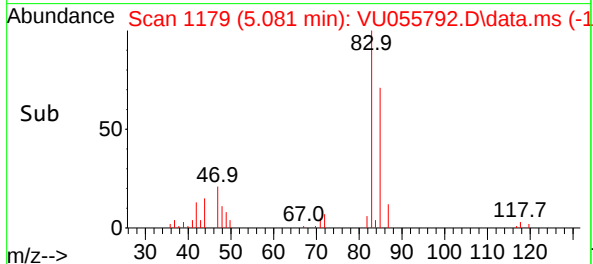
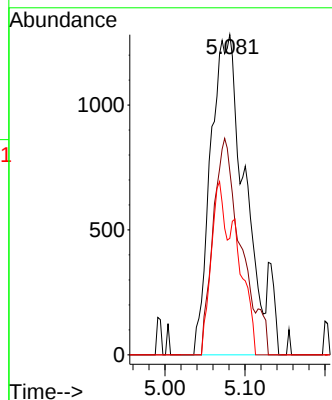
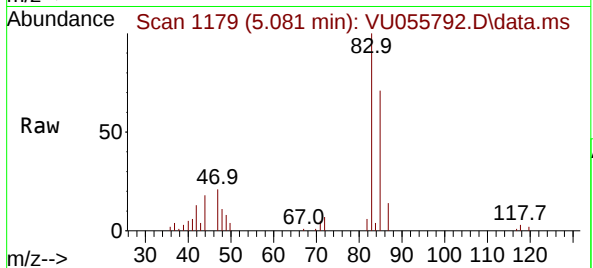
Tgt Ion:	42	Resp:	3918
Ion Ratio	Lower	Upper	
42	100		
72	50.4	40.9	61.3
71	22.3	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 0.504 ug/l

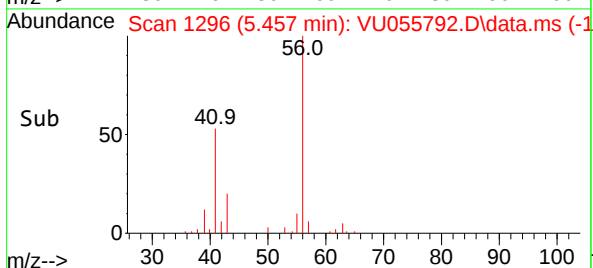
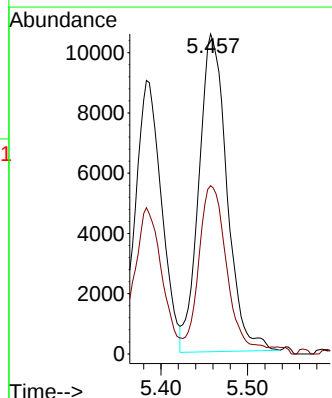
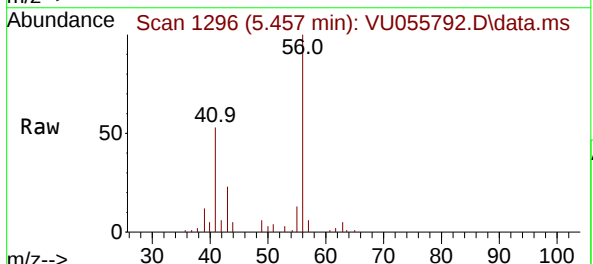
RT: 5.457 min Scan# 1296

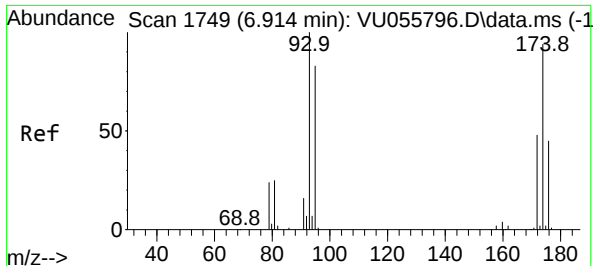
Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion:	56	Resp:	23678
Ion Ratio	Lower	Upper	
56	100		
41	49.5	25.2	75.6





#43

Dibromomethane

Concen: 0.530 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 93 Resp: 701

Ion Ratio Lower Upper

93 100

95 87.8 67.0 100.6

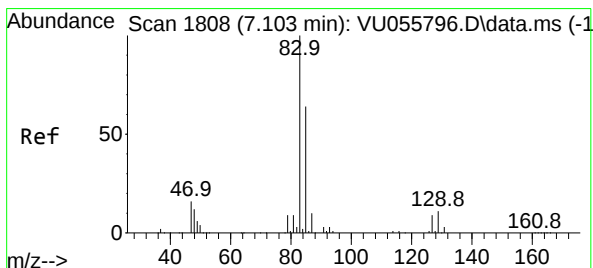
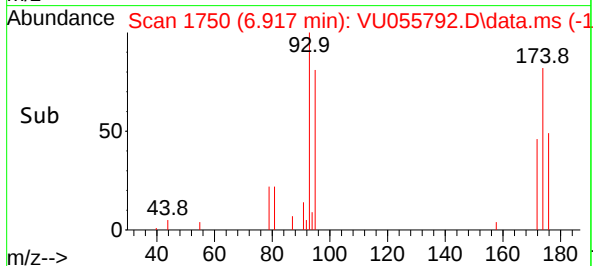
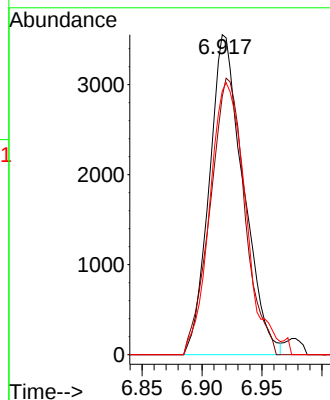
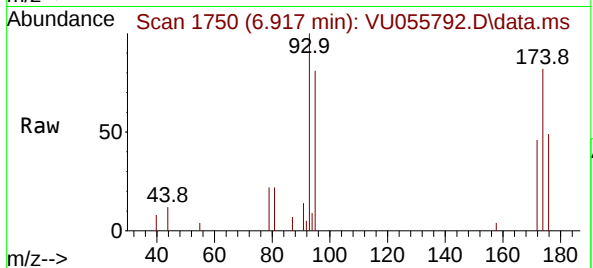
174 90.2 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#44

Bromodichloromethane

Concen: 0.518 ug/l

RT: 7.107 min Scan# 1809

Delta R.T. 0.004 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

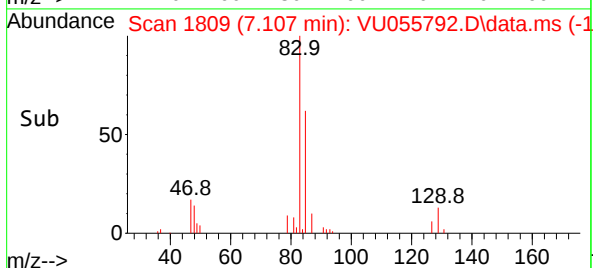
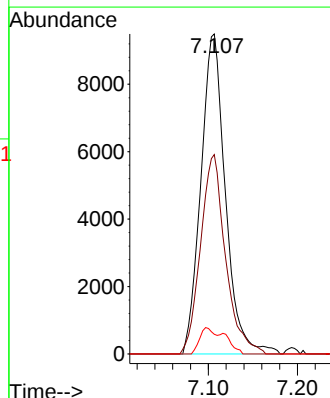
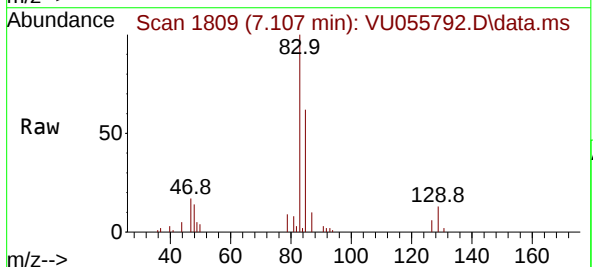
Tgt Ion: 83 Resp: 18135

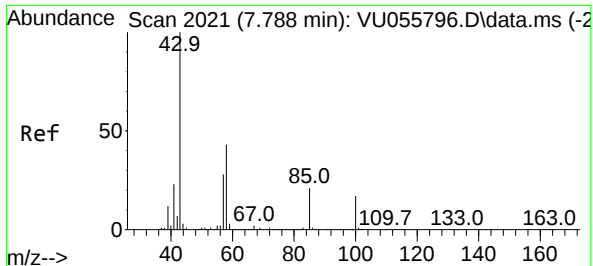
Ion Ratio Lower Upper

83 100

85 62.3 51.9 77.9

127 6.2 6.7 10.1#





#45

4-Methyl-2-Pentanone

Concen: 2.405 ug/l

RT: 7.791 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

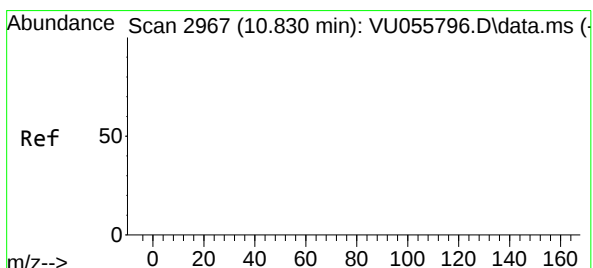
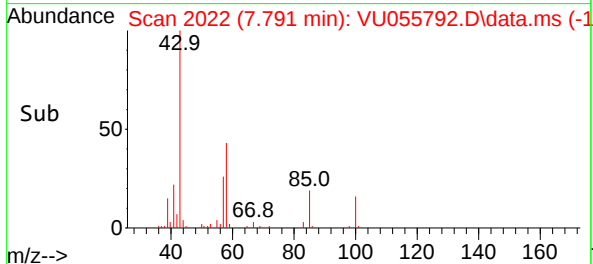
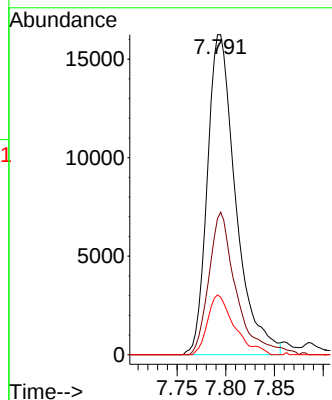
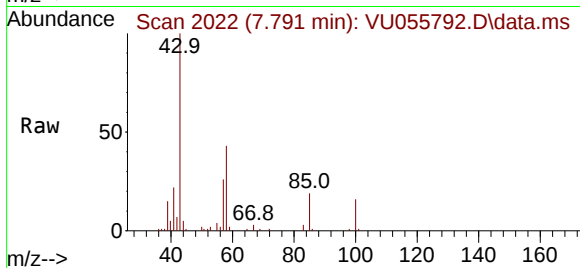
Tgt Ion: 43	Resp: 3294
Ion Ratio	Lower Upper
43 100	
58 42.8	20.9 62.8
85 17.6	14.6 21.8

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: 1.034 ug/l m

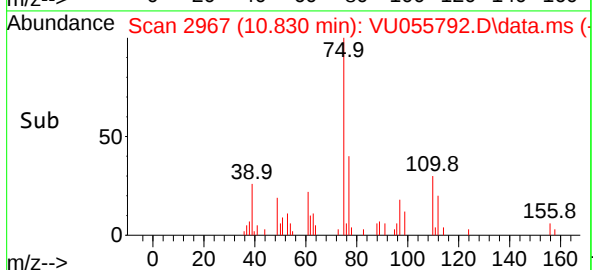
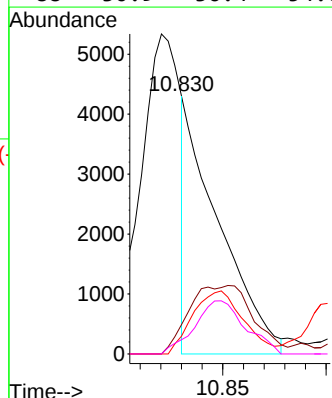
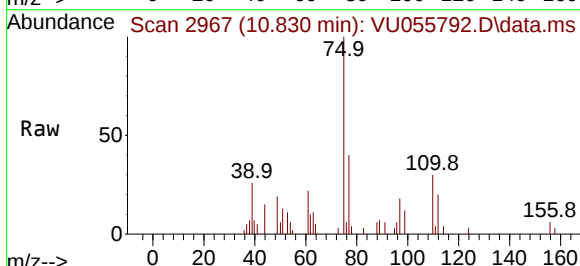
RT: 10.830 min Scan# 2967

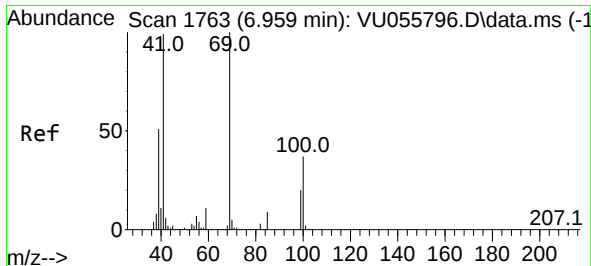
Delta R.T. -0.000 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion: 75	Resp: 4875
Ion Ratio	Lower Upper
75 100	
53 50.7	73.3 109.9#
89 36.8	48.2 72.4#
88 30.9	36.4 54.6#





#47

Methyl methacrylate

Concen: 0.851 ug/l

RT: 6.972 min Scan# 1767

Delta R.T. 0.013 min

Lab File: VU055792.D

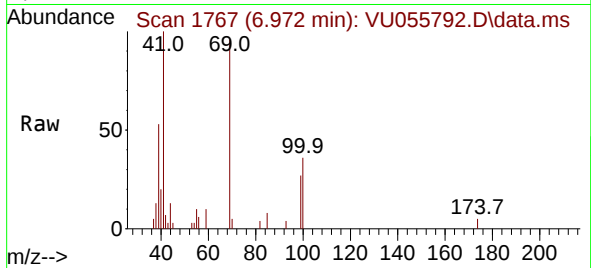
Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5



Tgt Ion: 69 Resp: 929

Ion Ratio Lower Upper

69 100

41 111.3 0.0 209.2

39 52.1 46.7 70.1

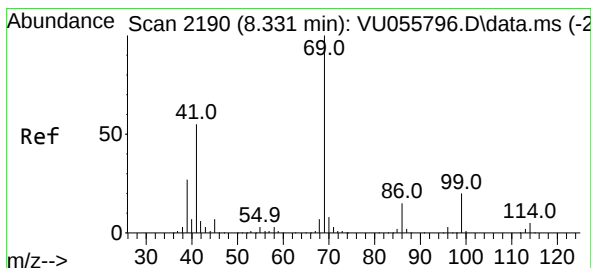
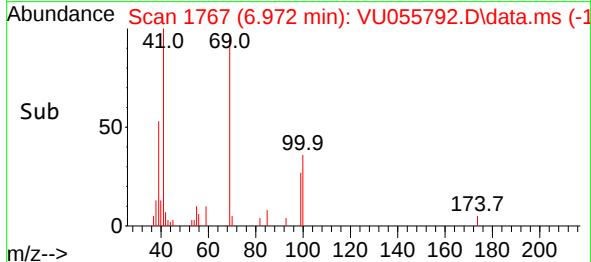
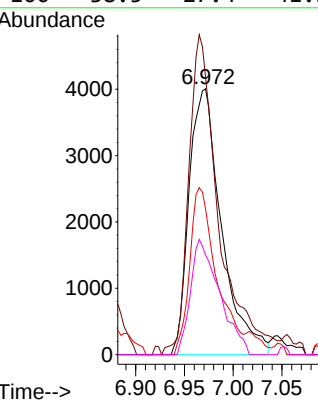
100 38.5 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#48

Ethyl methacrylate

Concen: 0.420 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.007 min

Lab File: VU055792.D

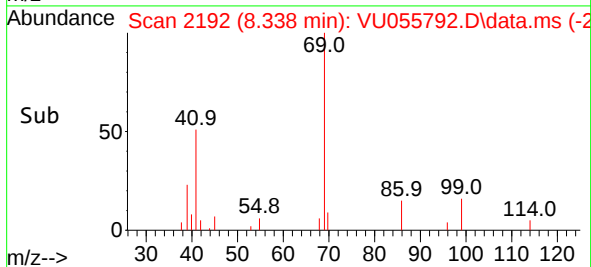
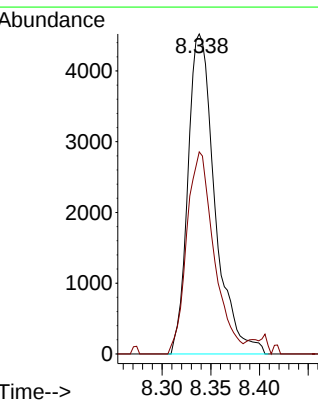
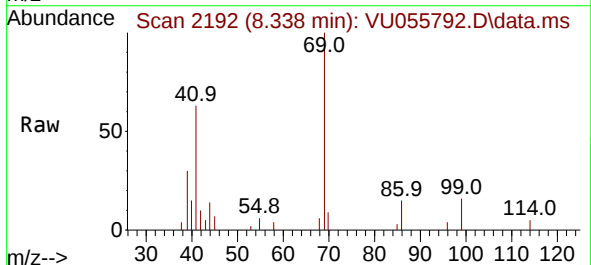
Acq: 18 Oct 2023 09:36

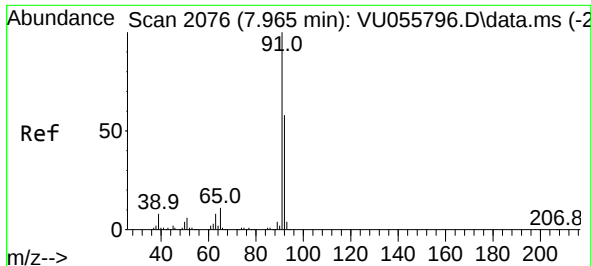
Tgt Ion: 69 Resp: 8712

Ion Ratio Lower Upper

69 100

41 64.0 30.3 90.8





#49

Toluene

Concen: 0.460 ug/l

RT: 7.972 min Scan# 2076

Delta R.T. 0.007 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 92 Resp: 2903

Ion Ratio Lower Upper

92 100

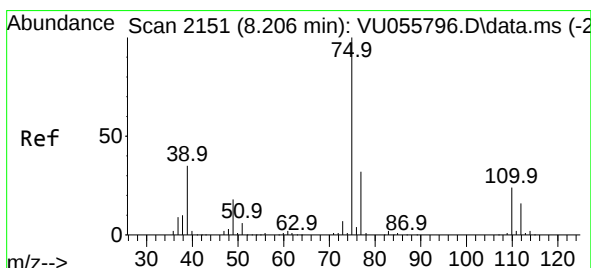
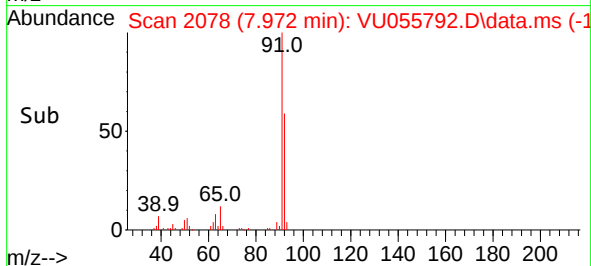
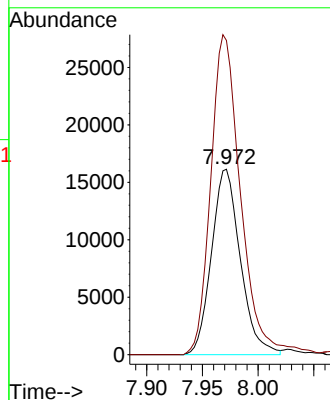
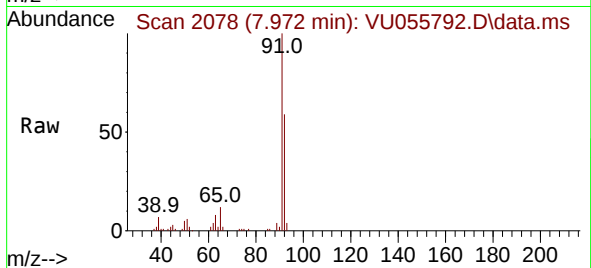
91 179.2 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.496 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU055792.D

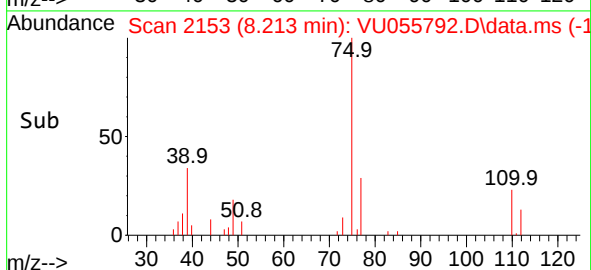
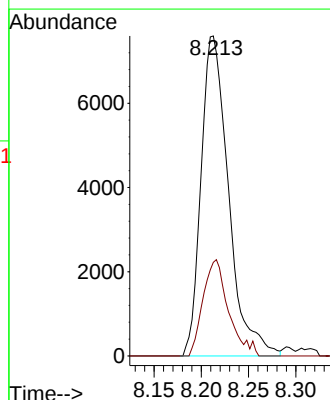
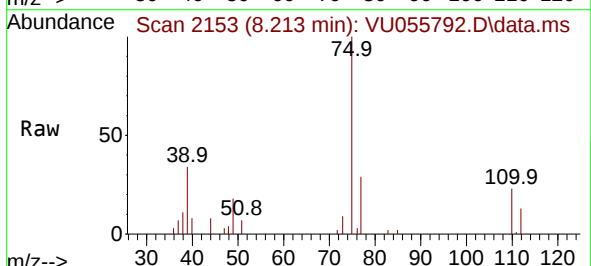
Acq: 18 Oct 2023 09:36

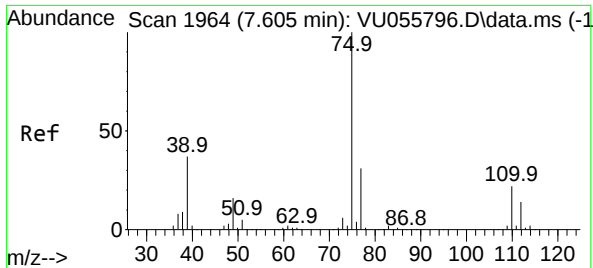
Tgt Ion: 75 Resp: 15379

Ion Ratio Lower Upper

75 100

77 29.3 25.3 37.9





#51

cis-1,3-Dichloropropene

Concen: 0.486 ug/l

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 18430

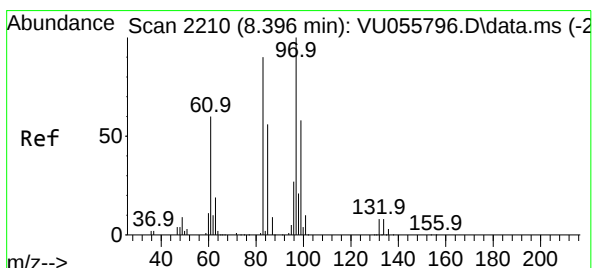
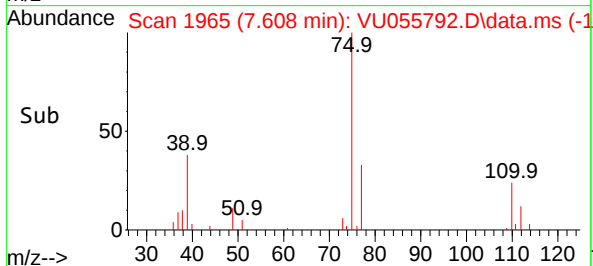
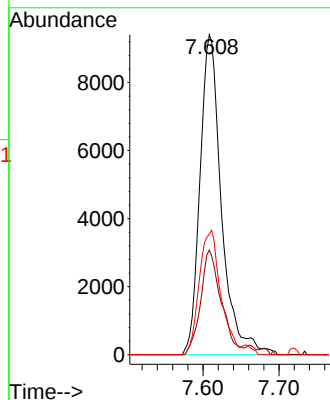
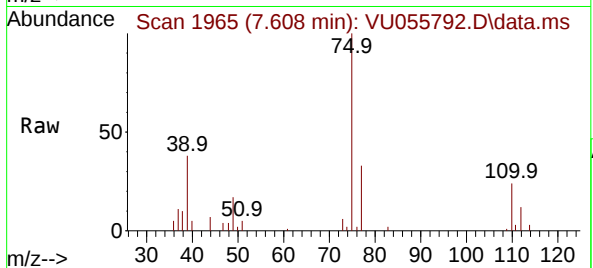
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.7	38.5
39	37.7	32.8	49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#52

1,1,2-Trichloroethane

Concen: 0.537 ug/l

RT: 8.396 min Scan# 2210

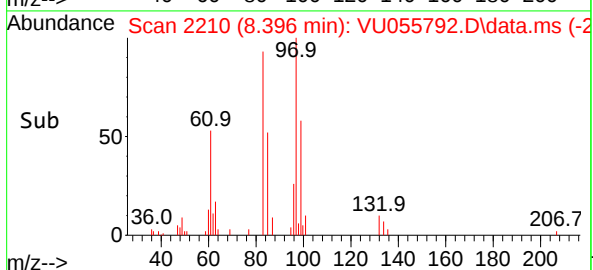
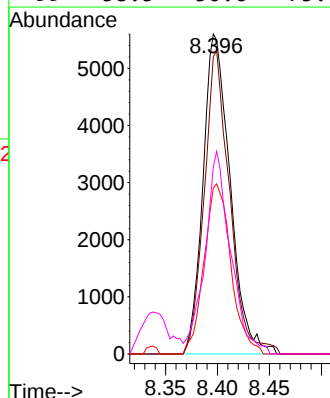
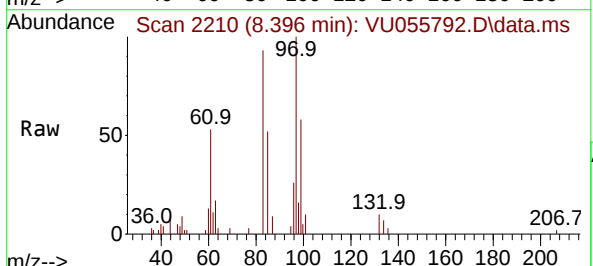
Delta R.T. -0.000 min

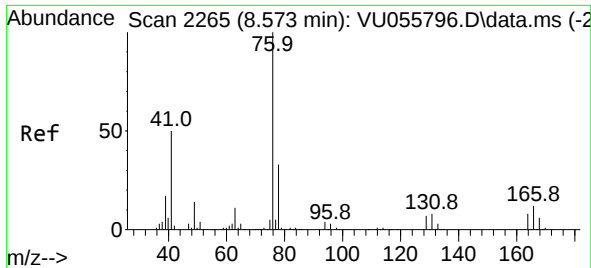
Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Tgt Ion: 97 Resp: 10162

Ion	Ratio	Lower	Upper
97	100		
83	92.9	71.8	107.8
85	51.9	45.2	67.8
99	58.5	50.6	75.8





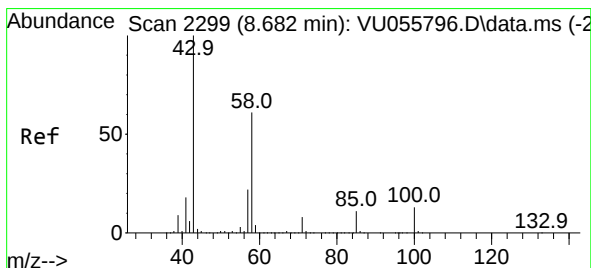
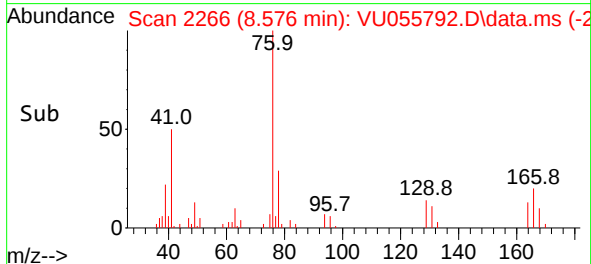
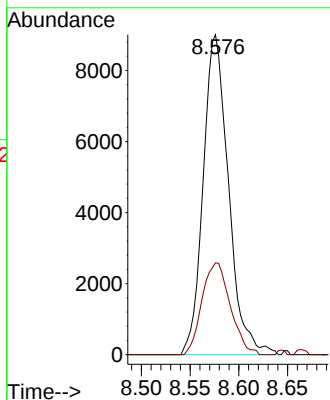
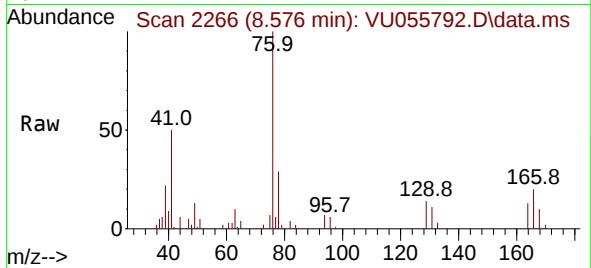
#53
1,3-Dichloropropane
Concen: 0.505 ug/l
RT: 8.576 min Scan# 2101
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 76 Resp: 1633
Ion Ratio Lower Upper
76 100
78 32.0 25.9 38.9

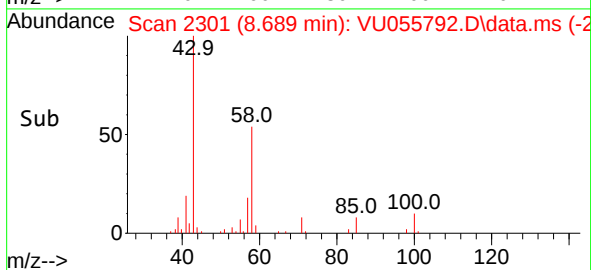
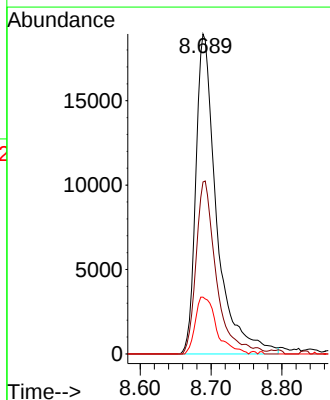
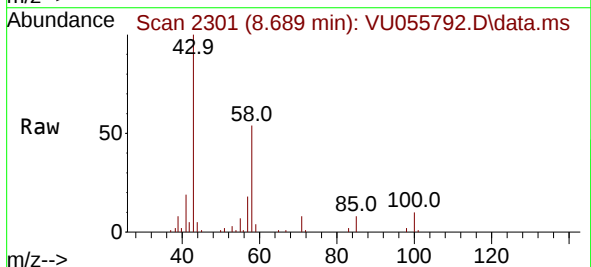
Manual Integrations
APPROVED

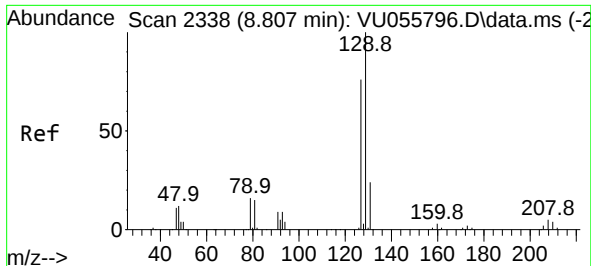
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#54
2-Hexanone
Concen: 2.520 ug/l
RT: 8.689 min Scan# 2301
Delta R.T. 0.007 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

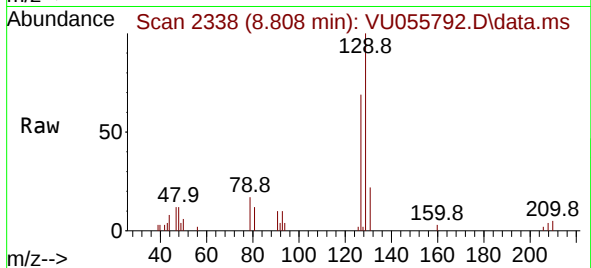
Tgt Ion: 43 Resp: 38676
Ion Ratio Lower Upper
43 100
58 52.6 38.2 78.2
57 18.2 0.0 39.1





#55
Dibromochloromethane
Concen: 0.521 ug/l
RT: 8.808 min Scan# 2189
Delta R.T. 0.001 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

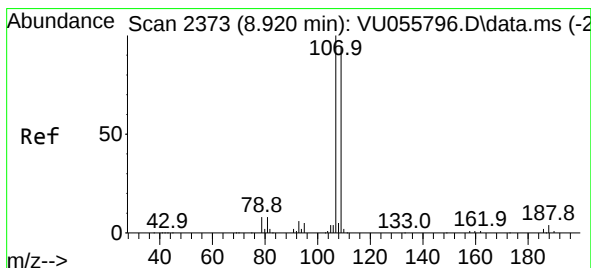
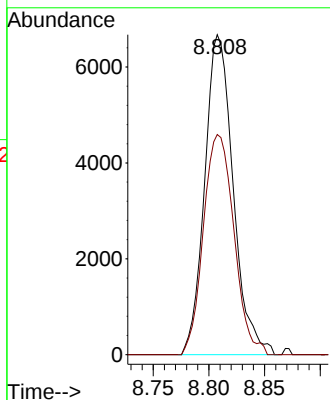
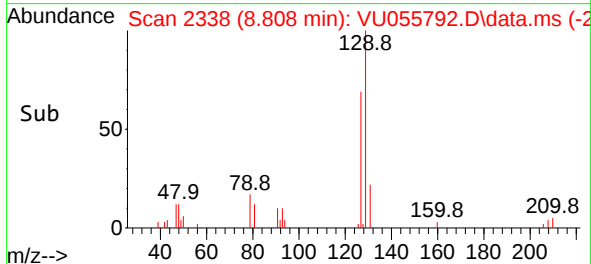
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5



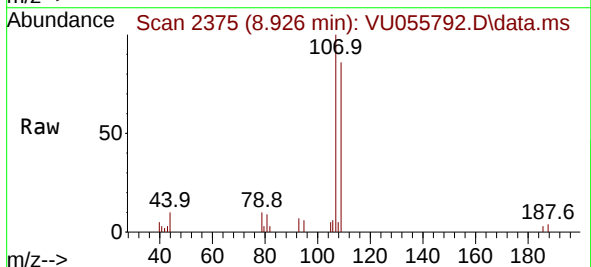
Tgt Ion:129 Resp: 11894
Ion Ratio Lower Upper
129 100
127 73.8 61.4 92.0

Manual Integrations
APPROVED

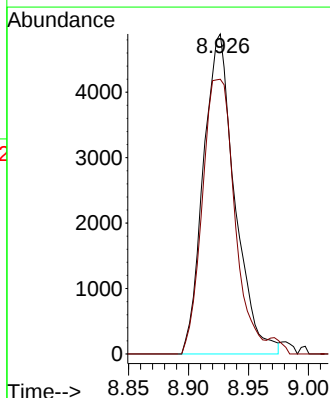
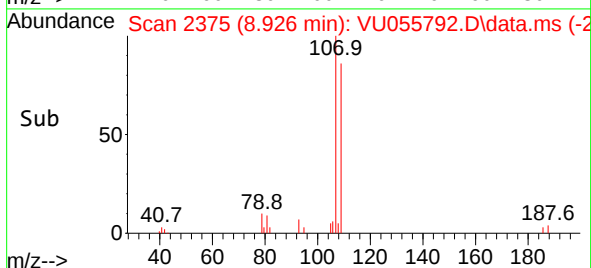
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

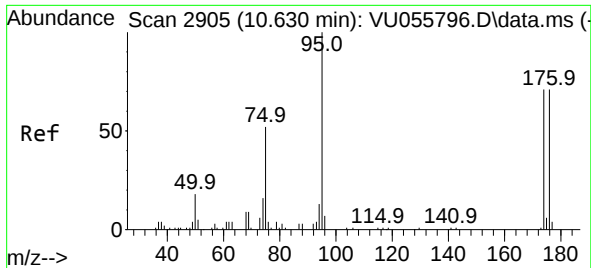


#56
1,2-Dibromoethane
Concen: 0.515 ug/l
RT: 8.926 min Scan# 2375
Delta R.T. 0.006 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



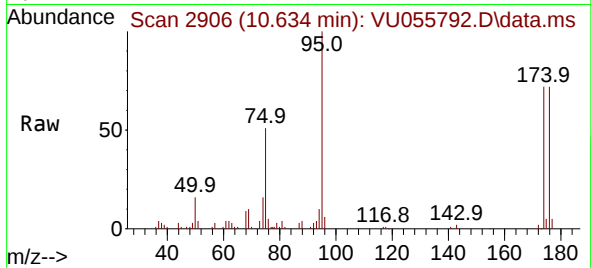
Tgt Ion:107 Resp: 8905
Ion Ratio Lower Upper
107 100
109 88.5 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 1.118 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

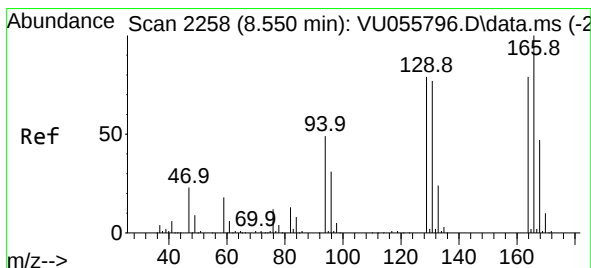
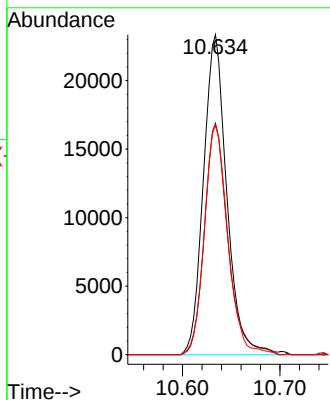
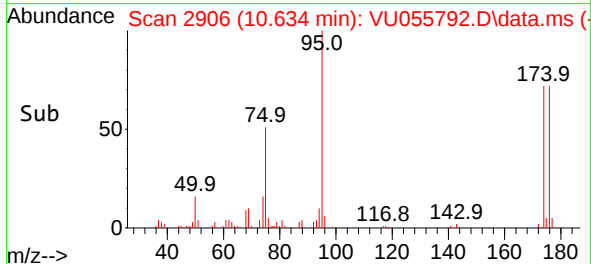
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 95 Resp: 38774
Ion Ratio Lower Upper
95 100
174 72.8 63.3 94.9
176 72.1 59.3 88.9

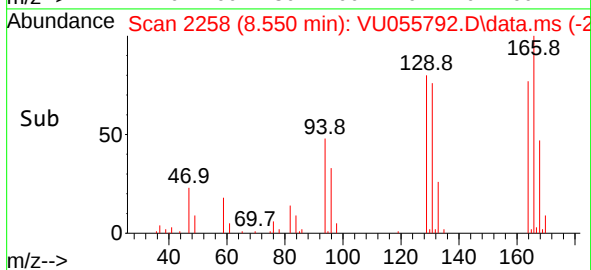
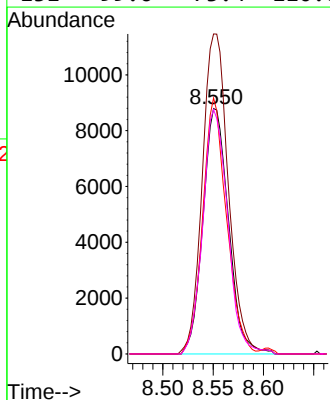
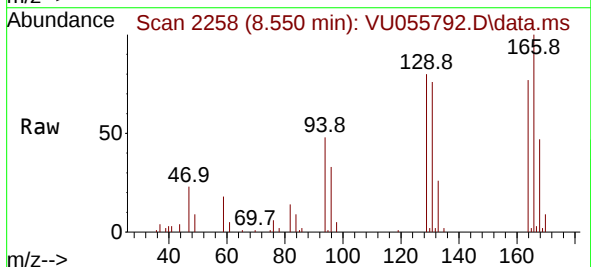
Manual Integrations
APPROVED

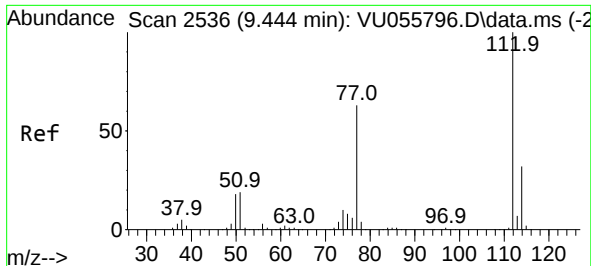
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.537 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:164 Resp: 15501
Ion Ratio Lower Upper
164 100
166 130.4 99.6 149.4
129 104.3 78.6 117.8
131 99.6 73.4 110.0





#59

Chlorobenzene

Concen: 0.487 ug/l

RT: 9.447 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:112 Resp: 33990

Ion Ratio Lower Upper

112 100

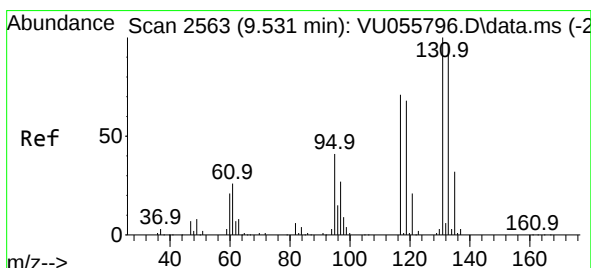
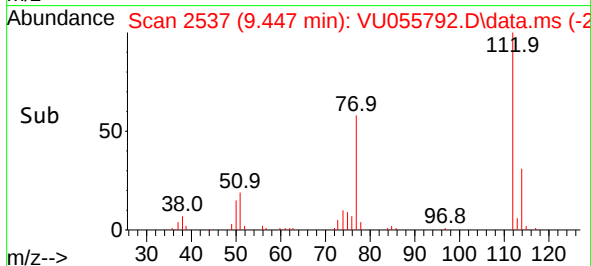
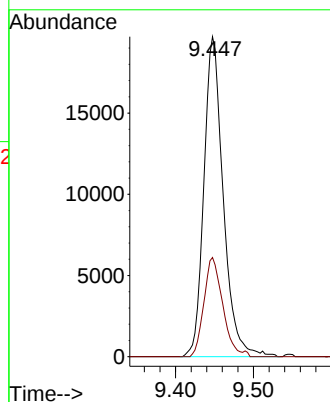
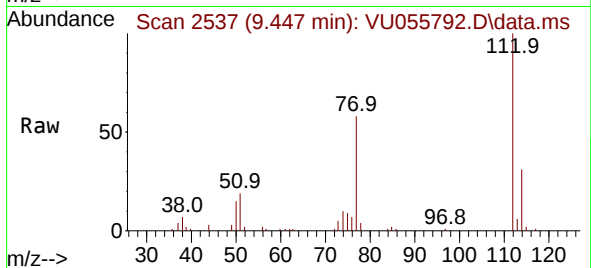
114 31.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#60

1,1,1,2-Tetrachloroethane

Concen: 0.521 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. -0.000 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

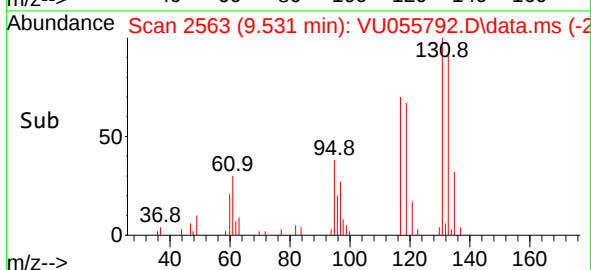
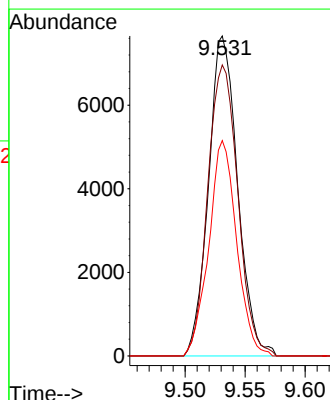
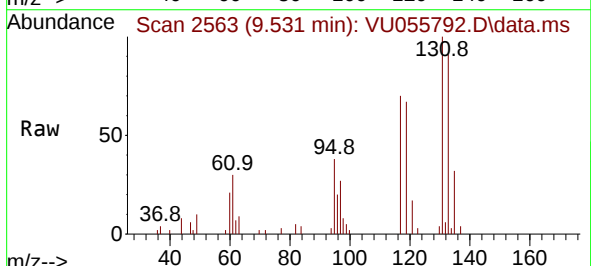
Tgt Ion:131 Resp: 12945

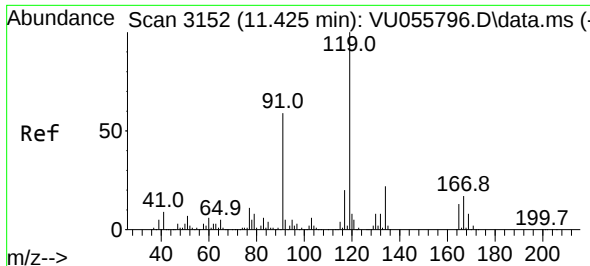
Ion Ratio Lower Upper

131 100

133 93.7 77.8 116.6

119 64.4 55.2 82.8





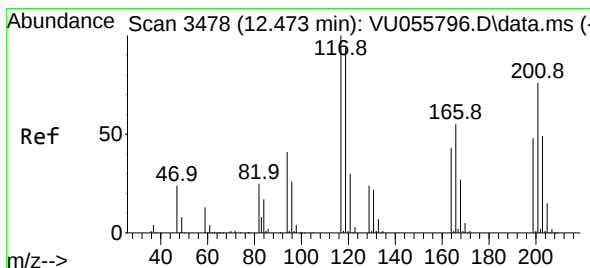
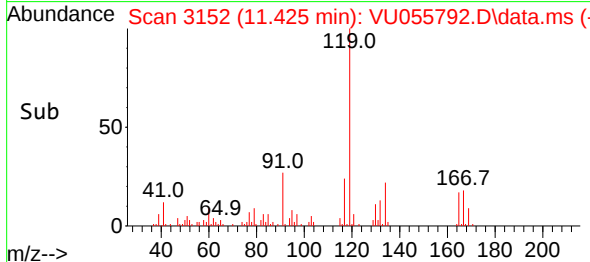
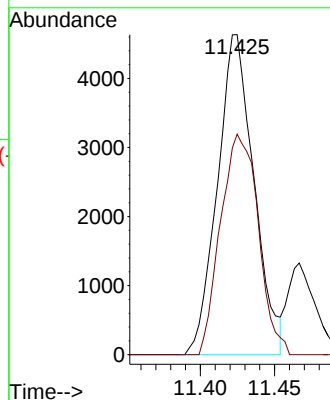
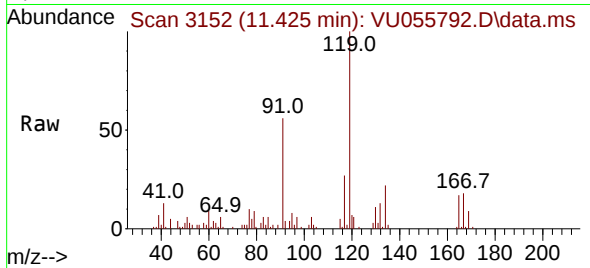
#61
Pentachloroethane
Concen: 0.471 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 7929
Ion Ratio Lower Upper
117 100
167 71.1 56.7 85.1

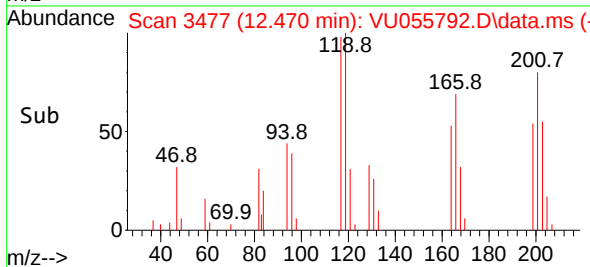
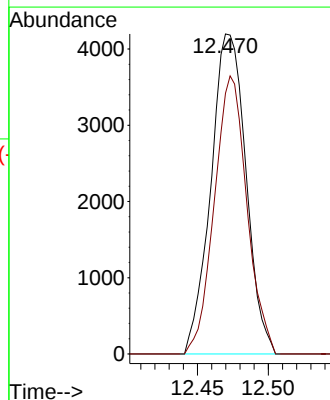
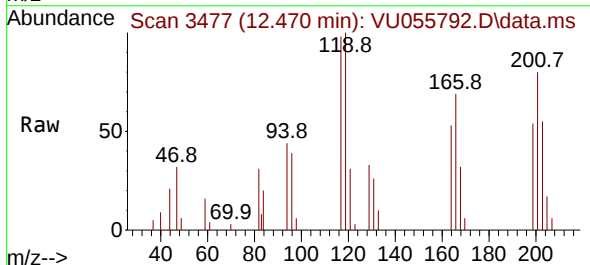
Manual Integrations
APPROVED

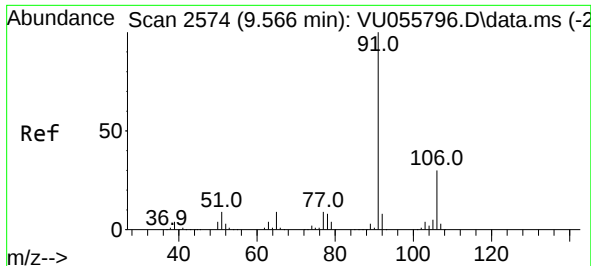
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 0.406 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:117 Resp: 7235
Ion Ratio Lower Upper
117 100
201 80.6 59.6 89.4





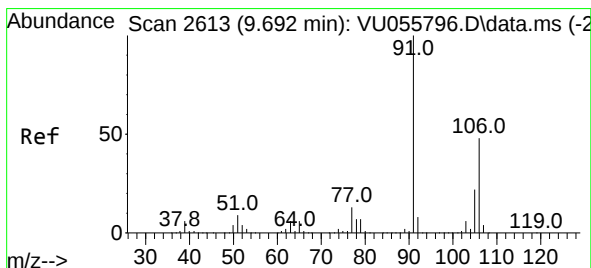
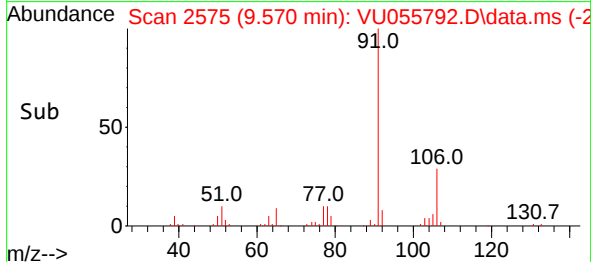
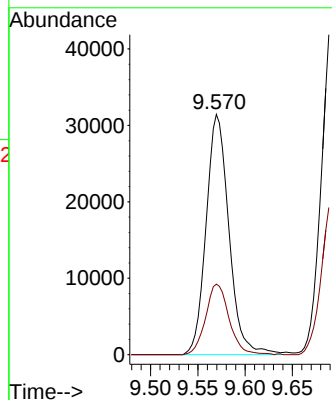
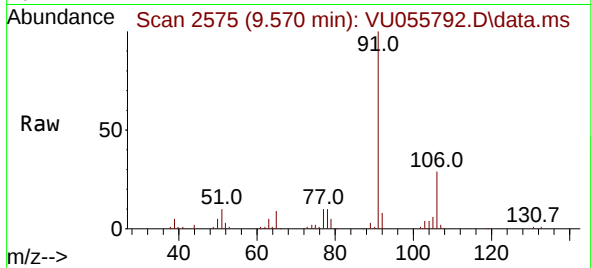
#63
Ethyl Benzene
Concen: 0.446 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 52800
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2

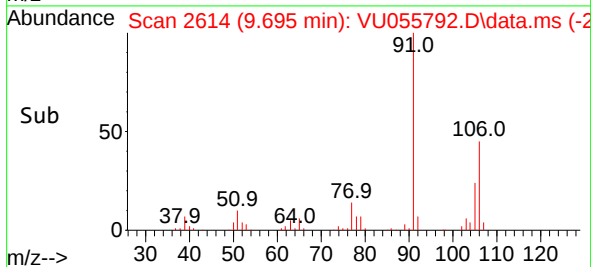
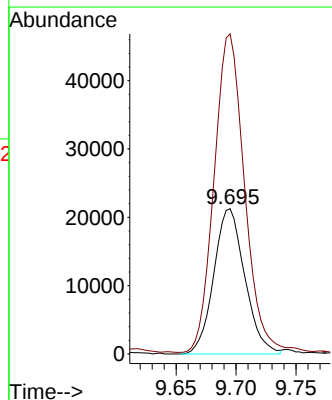
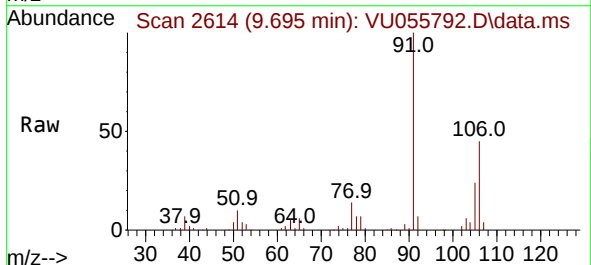
Manual Integrations
APPROVED

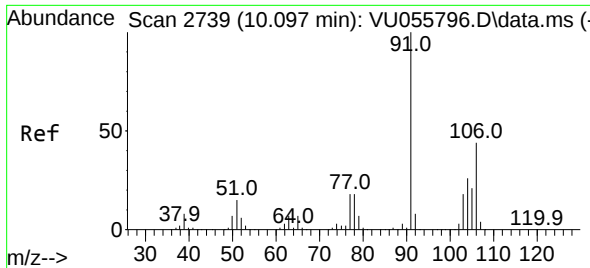
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 0.841 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:106 Resp: 38273
Ion Ratio Lower Upper
106 100
91 215.3 167.3 250.9





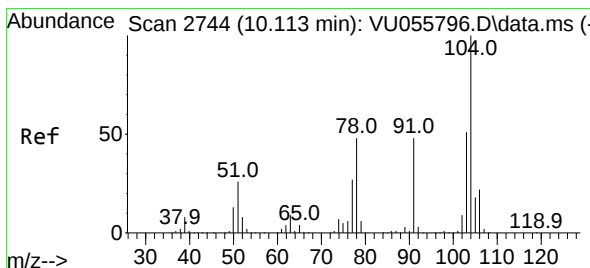
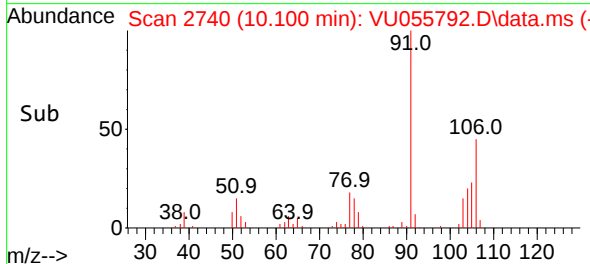
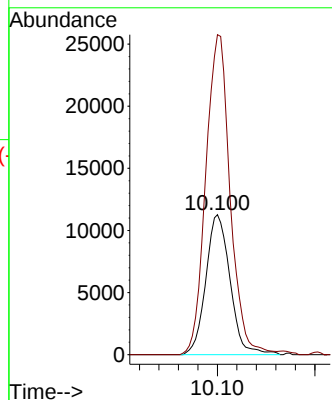
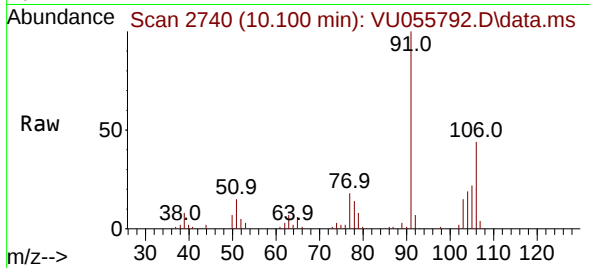
#65
o-Xylene
Concen: 0.437 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 1949
Ion Ratio Lower Upper
106 100
91 229.3 109.3 327.9

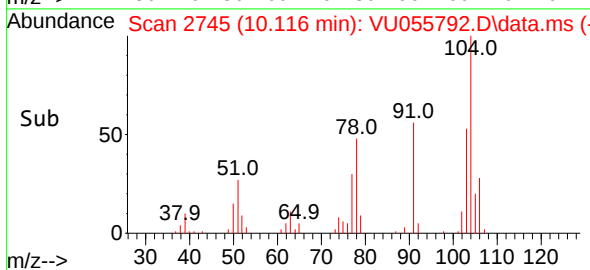
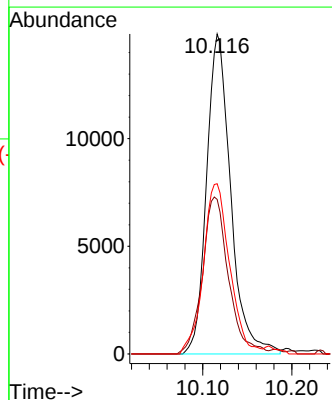
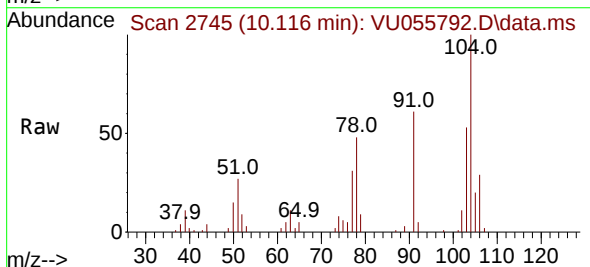
Manual Integrations
APPROVED

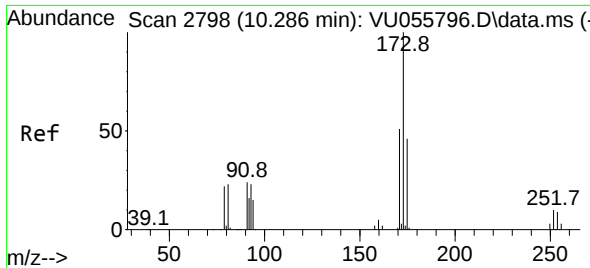
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.400 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:104 Resp: 27931
Ion Ratio Lower Upper
104 100
78 53.0 39.7 59.5
103 58.1 44.8 67.2





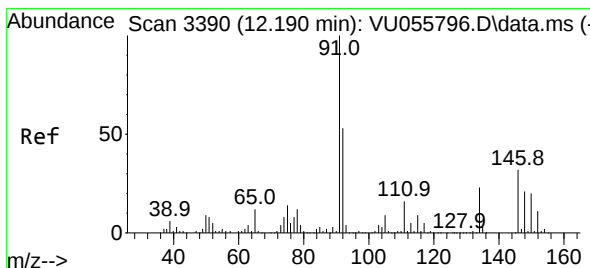
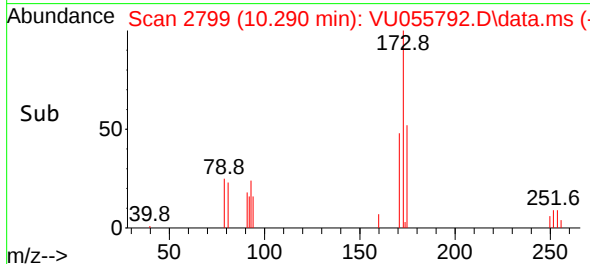
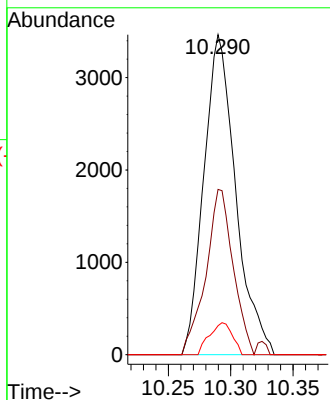
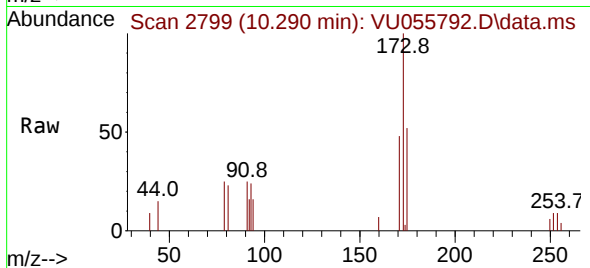
#67
Bromoform
Concen: 0.500 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 613
Ion Ratio Lower Upper
173 100
175 44.4 39.0 58.6
254 7.2 7.4 11.0

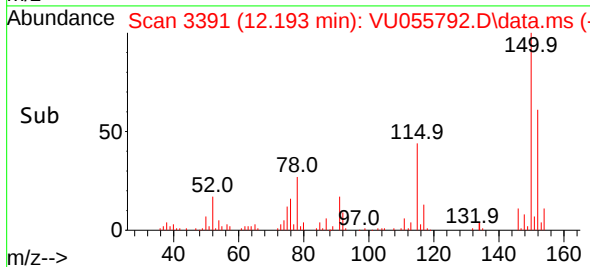
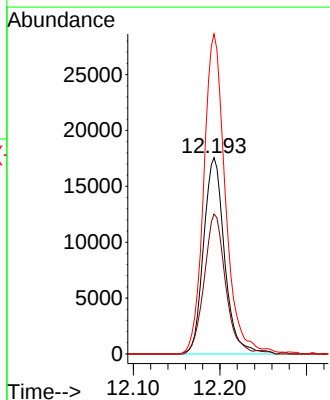
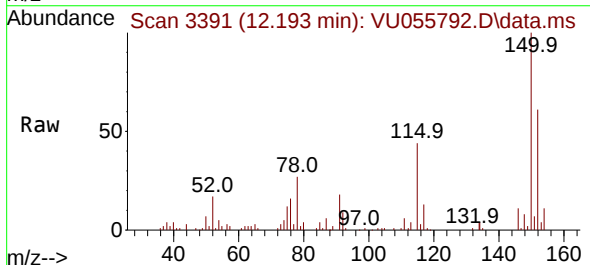
Manual Integrations
APPROVED

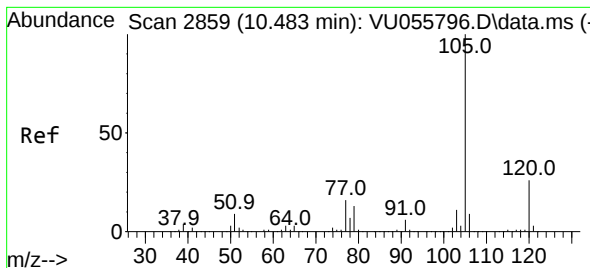
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#68
1,2-Dichlorobenzene-d4
Concen: 0.921 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:152 Resp: 29621
Ion Ratio Lower Upper
152 100
115 72.0 0.0 308.8
150 167.8 0.0 635.0





#69

Isopropylbenzene

Concen: 0.423 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 48614

Ion Ratio Lower Upper

105 100

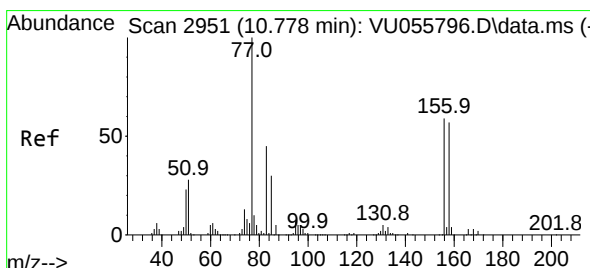
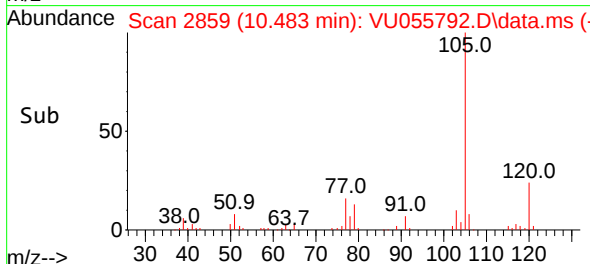
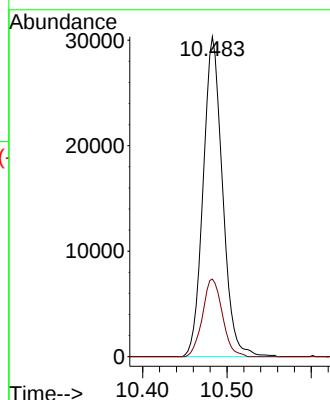
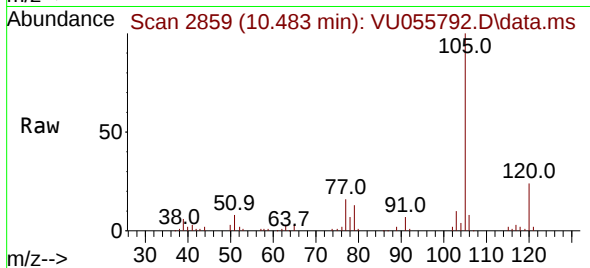
120 24.9 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.488 ug/l

RT: 10.782 min Scan# 2952

Delta R.T. 0.004 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

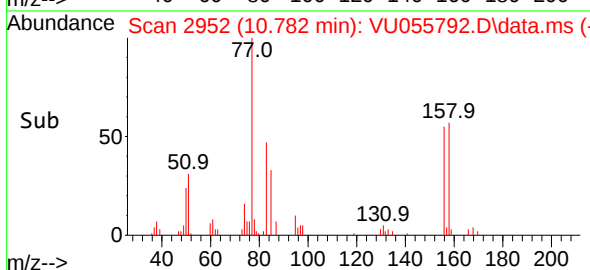
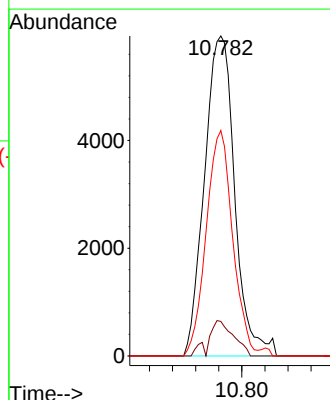
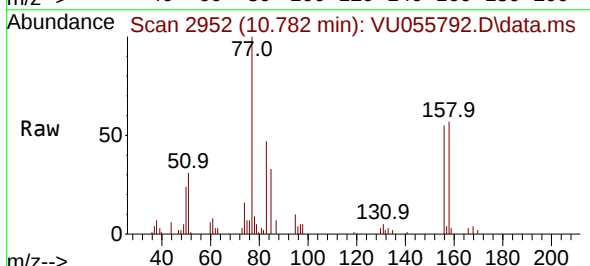
Tgt Ion: 83 Resp: 10805

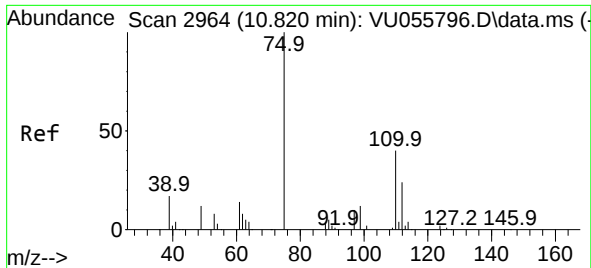
Ion Ratio Lower Upper

83 100

131 9.2 7.2 10.8

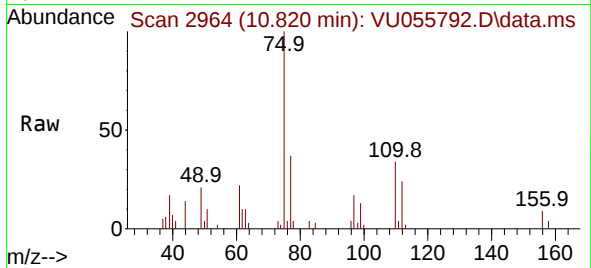
85 61.7 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.486 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

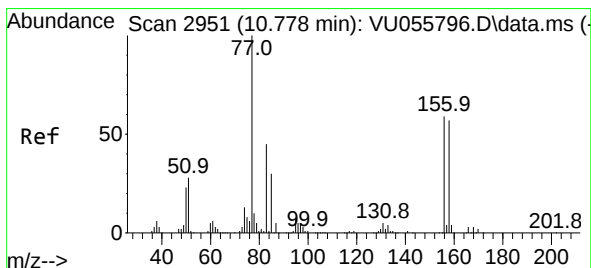
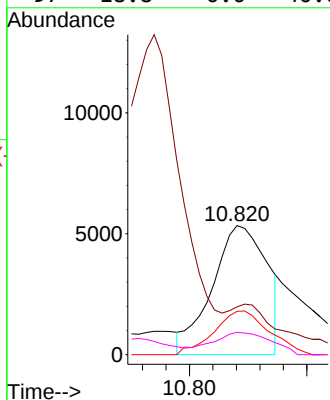
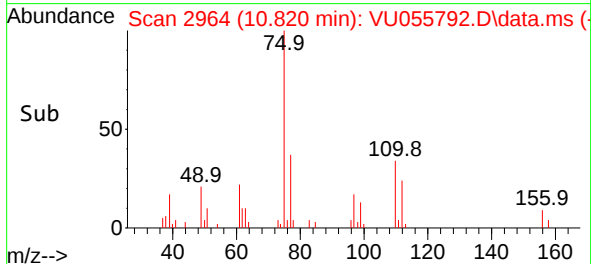
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



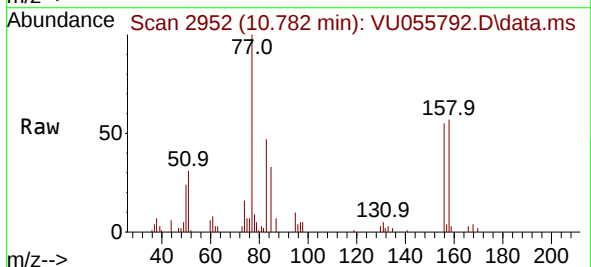
Tgt Ion: 75 Resp: 8634
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 34.3 0.0 74.6
97 18.8 0.0 40.0

Manual Integrations
APPROVED

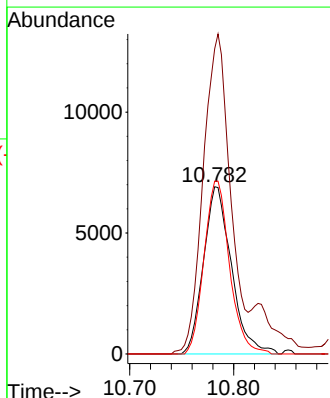
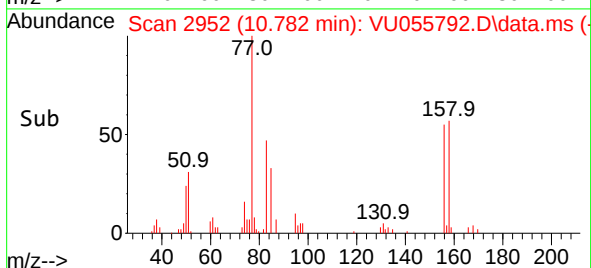
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

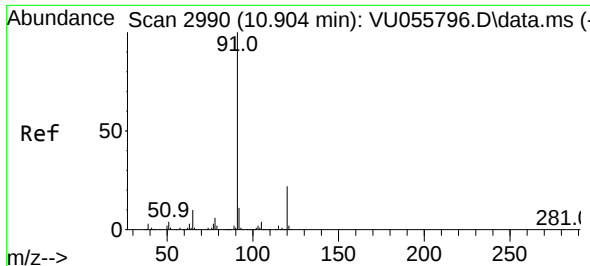


#72
Bromobenzene
Concen: 0.471 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



Tgt Ion:156 Resp: 12931
Ion Ratio Lower Upper
156 100
77 184.3 0.0 343.0
158 94.4 0.0 194.8





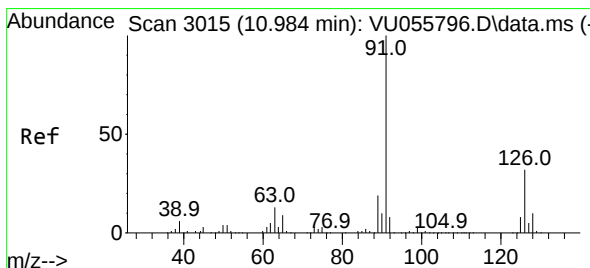
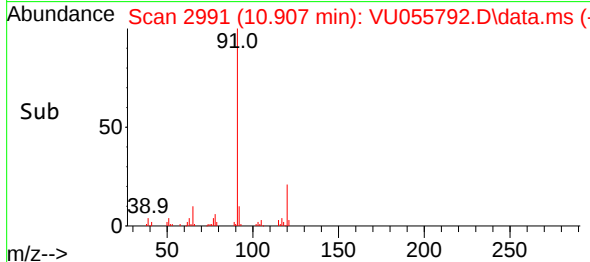
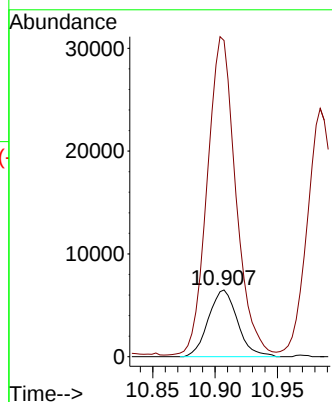
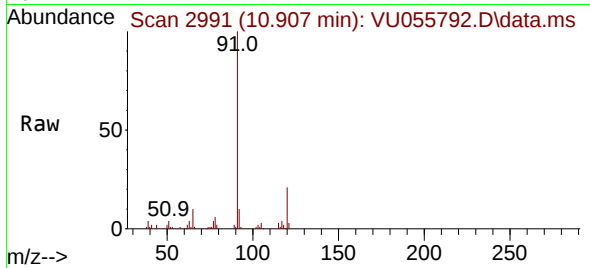
#73
n-propylbenzene
Concen: 0.356 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 10530
Ion Ratio Lower Upper
120 100
91 467.8 369.8 554.6

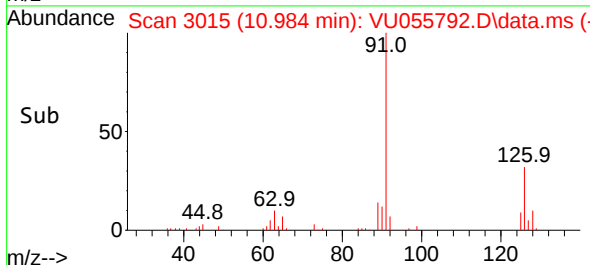
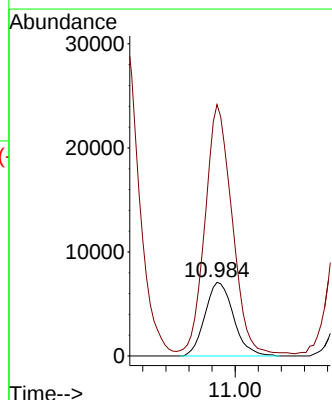
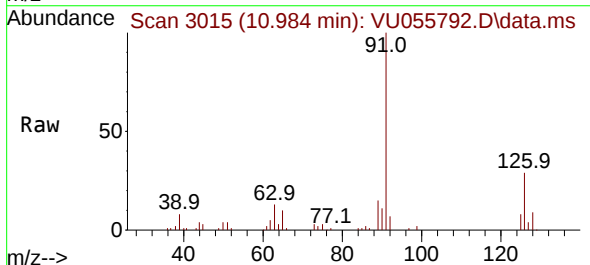
Manual Integrations
APPROVED

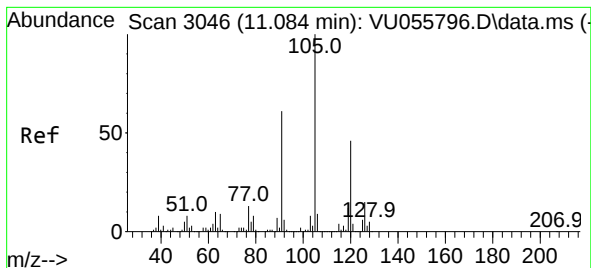
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 0.440 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Tgt Ion:126 Resp: 12114
Ion Ratio Lower Upper
126 100
91 320.0 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 0.383 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 3763

Ion Ratio Lower Upper

105 100

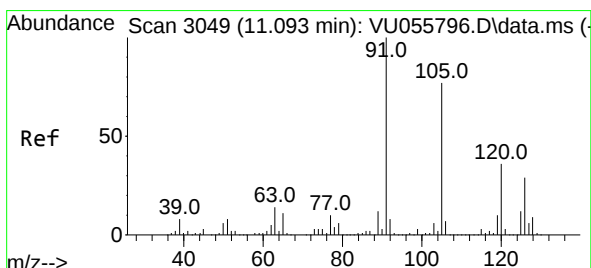
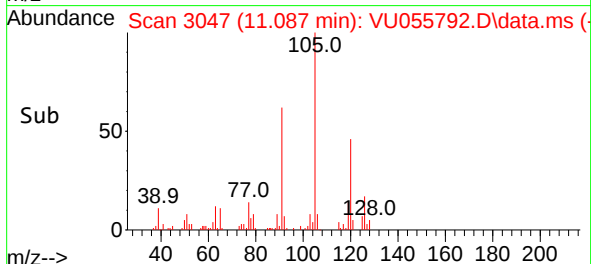
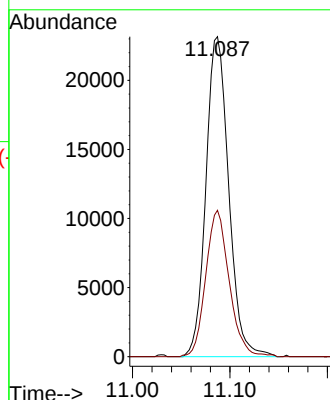
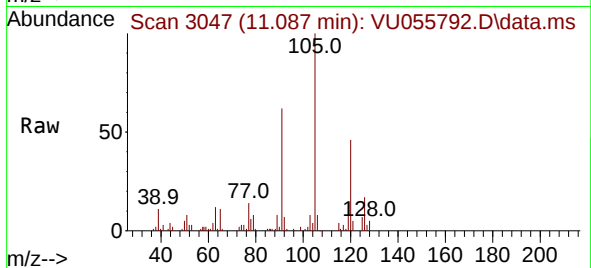
120 47.1 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#76

4-Chlorotoluene

Concen: 0.423 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU055792.D

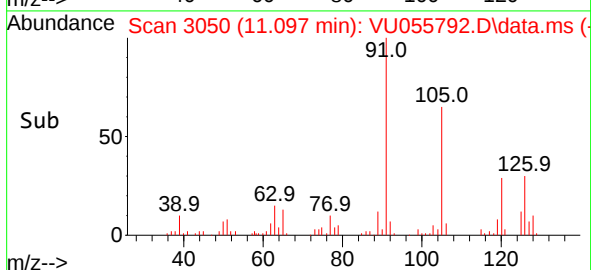
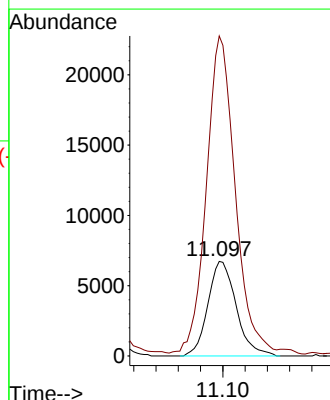
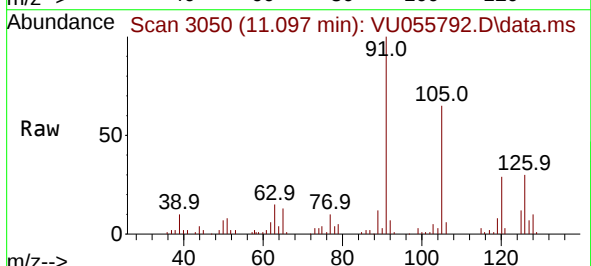
Acq: 18 Oct 2023 09:36

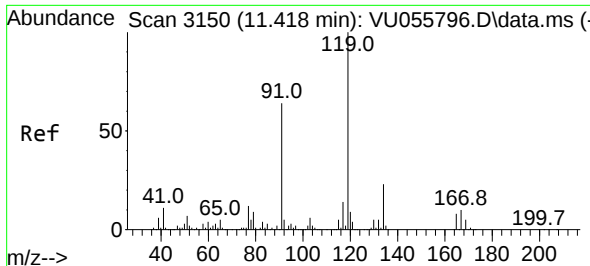
Tgt Ion:126 Resp: 11871

Ion Ratio Lower Upper

126 100

91 338.4 0.0 686.2





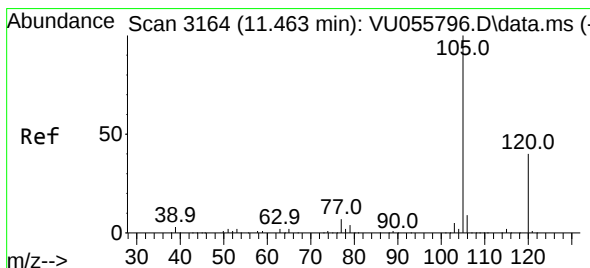
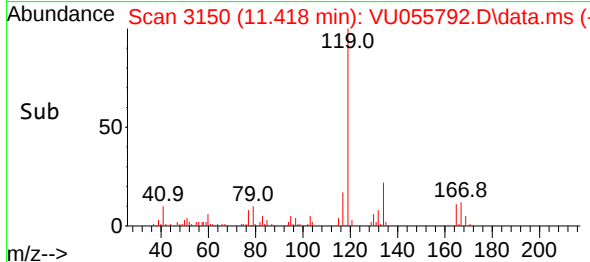
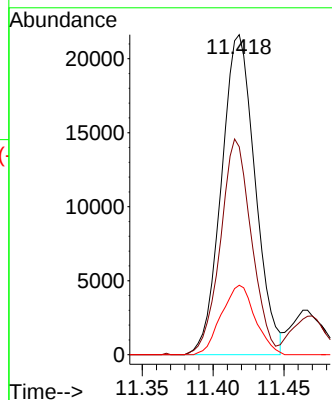
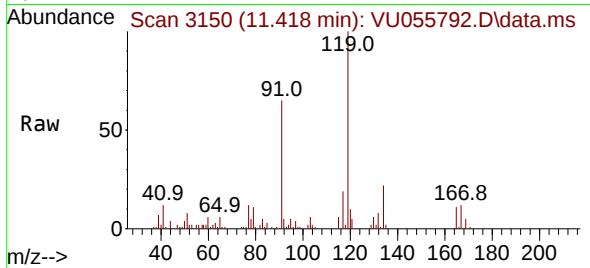
#77
tert-Butylbenzene
Concen: 0.397 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 3579
Ion Ratio Lower Upper
119 100
91 62.1 30.8 92.4
134 21.7 18.0 27.0

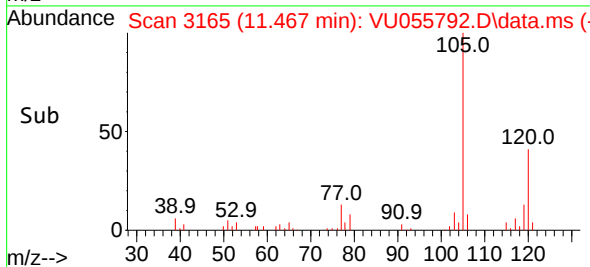
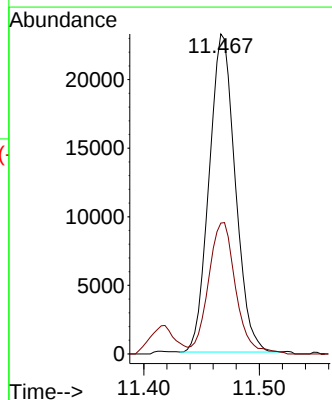
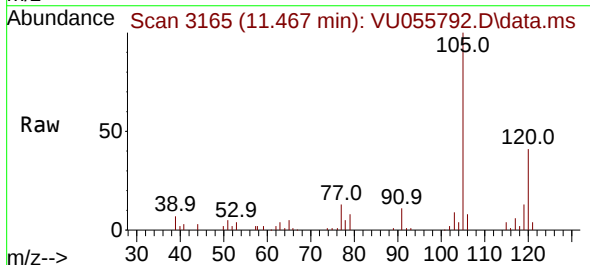
Manual Integrations
APPROVED

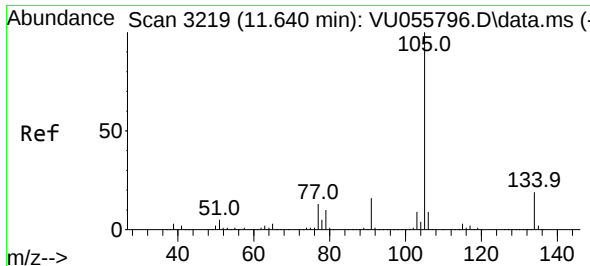
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.375 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

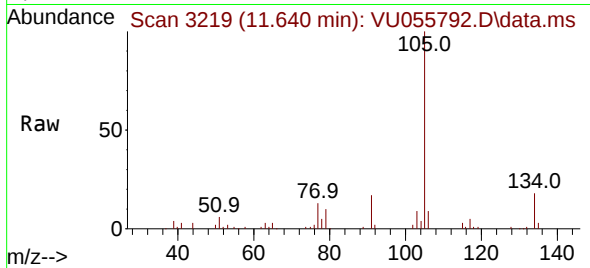
Tgt Ion:105 Resp: 36475
Ion Ratio Lower Upper
105 100
120 43.2 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.362 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055792.D
 Acq: 18 Oct 2023 09:36

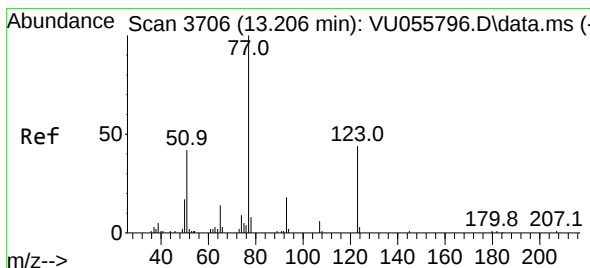
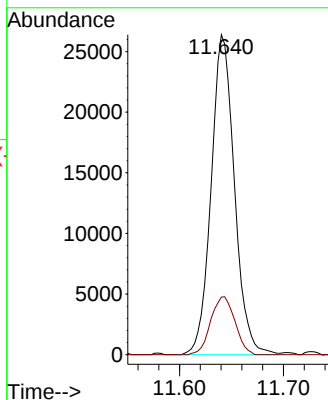
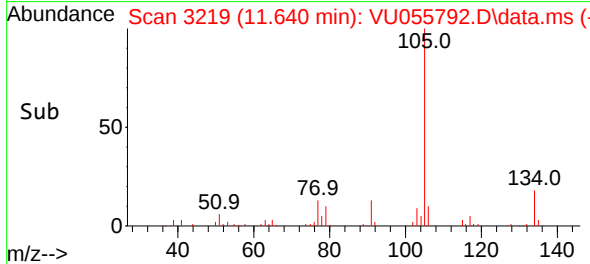
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5



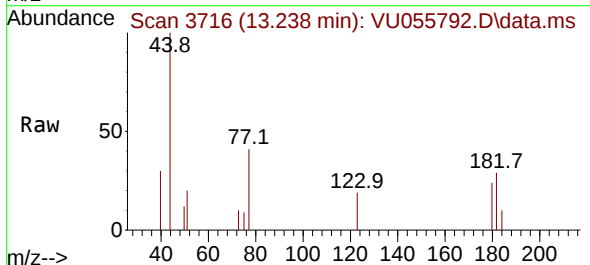
Tgt Ion:105 Resp: 41118
 Ion Ratio Lower Upper
 105 100
 134 18.8 14.9 22.3

Manual Integrations
 APPROVED

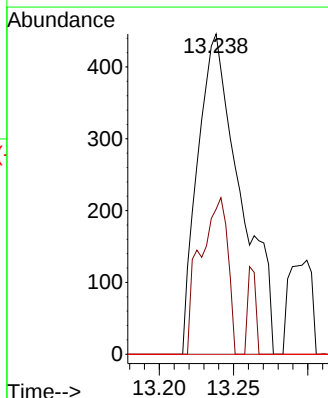
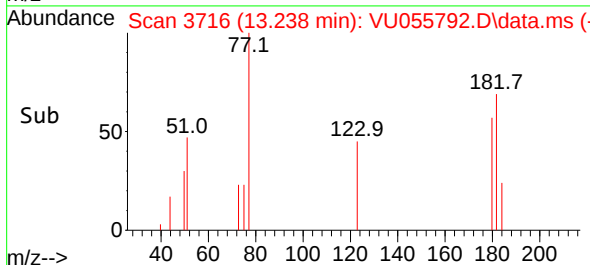
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

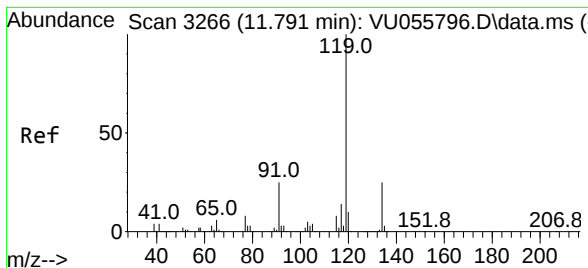


#80
 Nitrobenzene
 Concen: 1.460 ug/l
 RT: 13.238 min Scan# 3716
 Delta R.T. 0.032 min
 Lab File: VU055792.D
 Acq: 18 Oct 2023 09:36



Tgt Ion: 77 Resp: 893
 Ion Ratio Lower Upper
 77 100
 123 31.5 19.7 69.7
 65 0.0 11.5 14.7#





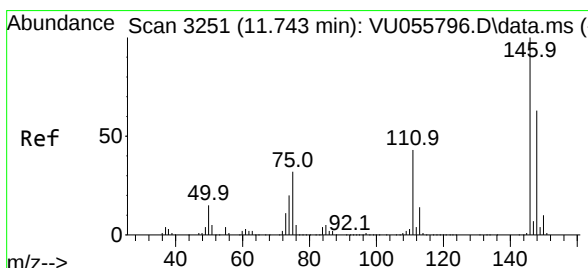
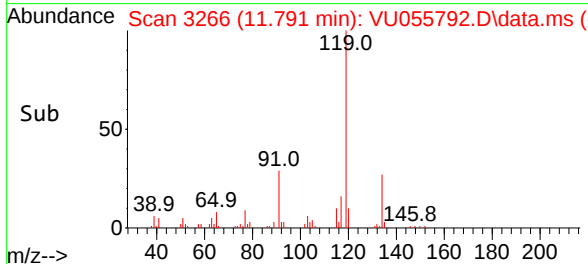
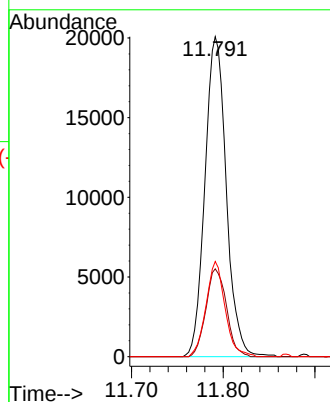
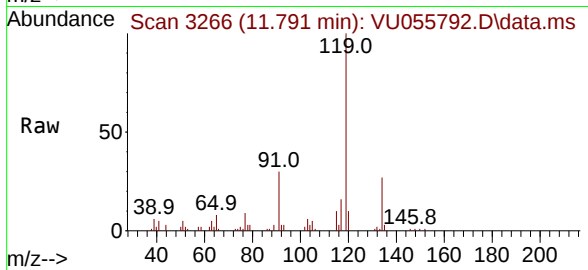
#81
p-Isopropyltoluene
Concen: 0.354 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 3243
Ion Ratio Lower Upper
119 100
134 26.4 20.2 30.4
91 26.7 19.3 28.9

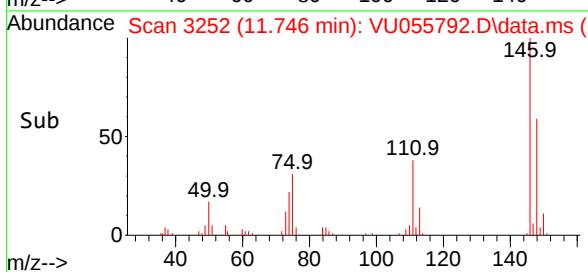
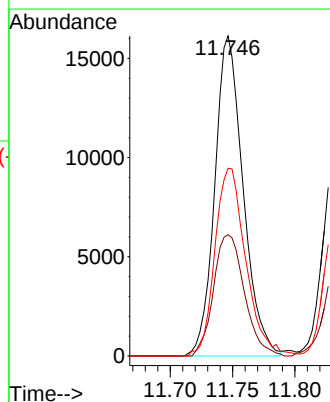
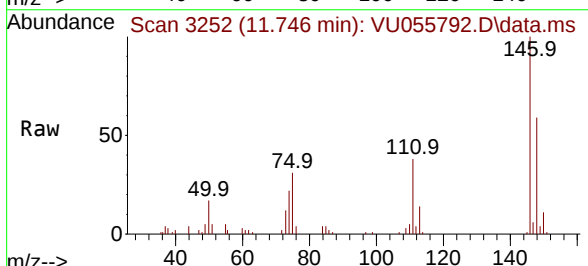
Manual Integrations
APPROVED

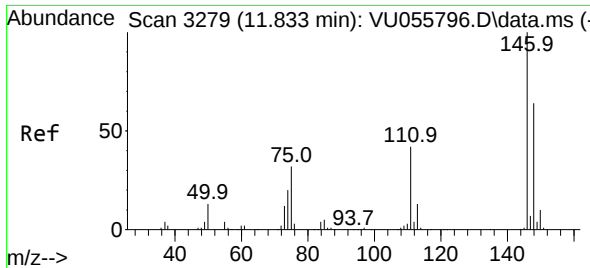
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.456 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

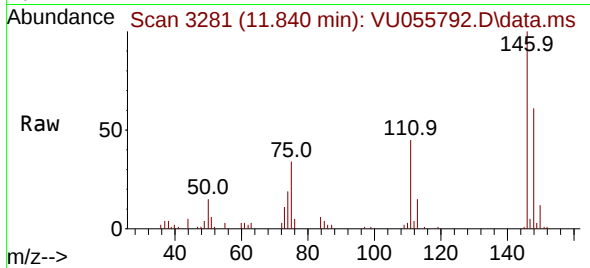
Tgt Ion:146 Resp: 25545
Ion Ratio Lower Upper
146 100
111 41.2 32.6 49.0
148 63.9 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.436 ug/l
RT: 11.840 min Scan# 3281
Delta R.T. 0.007 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

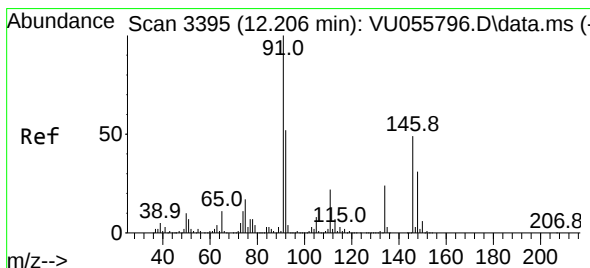
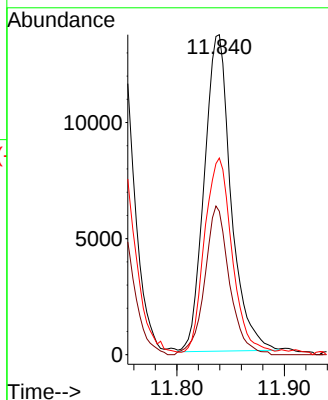
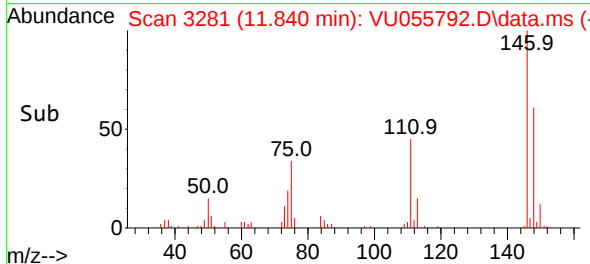
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5



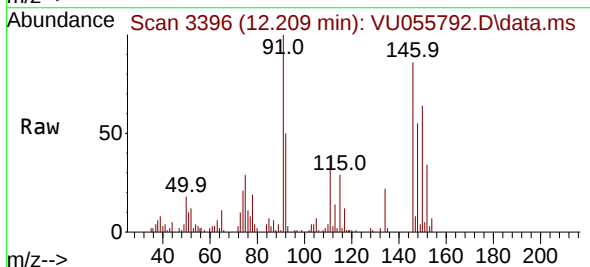
Tgt Ion:146 Resp: 23609
Ion Ratio Lower Upper
146 100
111 43.4 31.6 47.4
148 63.1 50.3 75.5

Manual Integrations
APPROVED

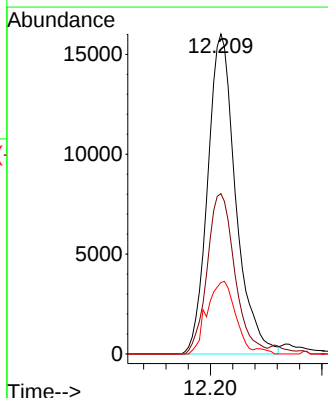
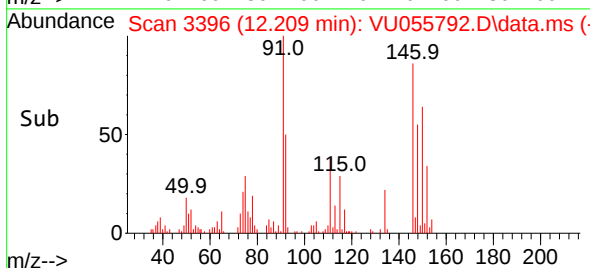
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

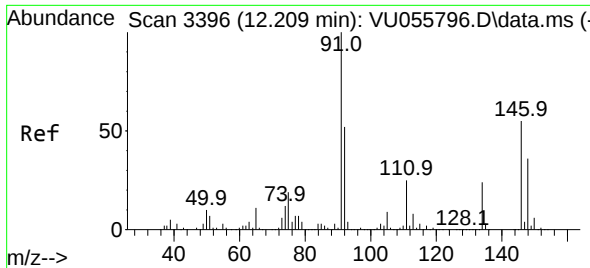


#84
n-Butylbenzene
Concen: 0.358 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



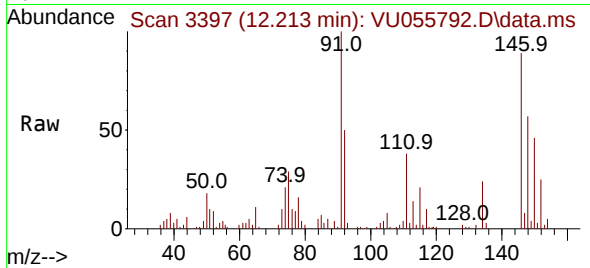
Tgt Ion: 91 Resp: 27978
Ion Ratio Lower Upper
91 100
92 49.4 40.8 61.2
134 22.8 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.466 ug/l
RT: 12.213 min Scan# 3396
Delta R.T. 0.004 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

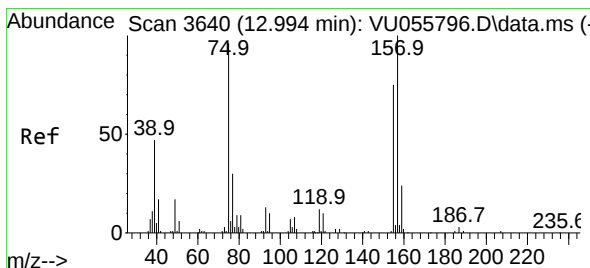
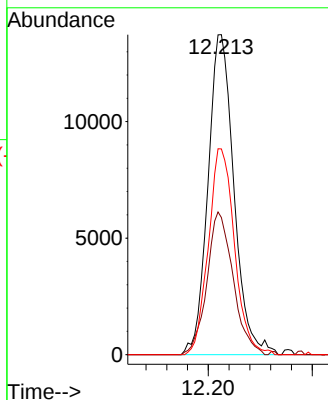
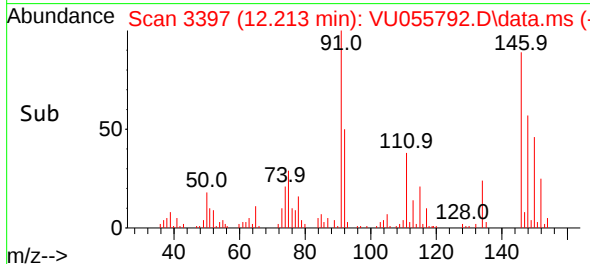
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



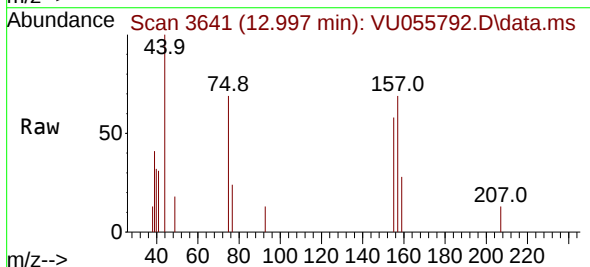
Tgt Ion:146 Resp: 2385
Ion Ratio Lower Upper
146 100
111 44.8 21.6 64.6
148 64.8 32.1 96.5

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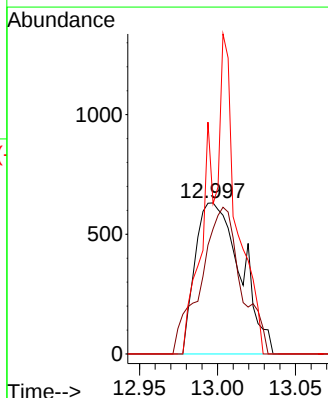
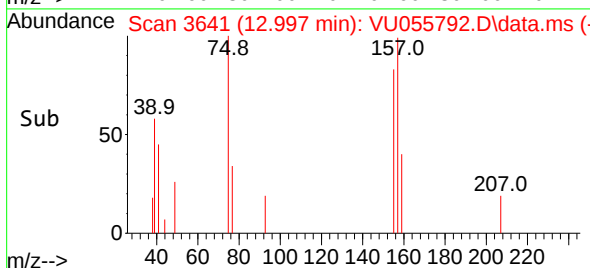
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

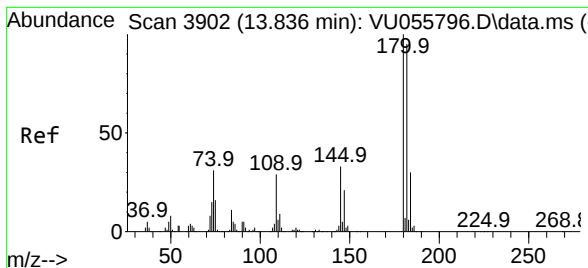


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.404 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



Tgt Ion: 75 Resp: 1277
Ion Ratio Lower Upper
75 100
155 86.3 61.8 92.8
157 129.8 80.2 120.4#





#87

1,2,4-Trichlorobenzene

Concen: 0.385 ug/l

RT: 13.843 min Scan# 3904

Delta R.T. 0.007 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

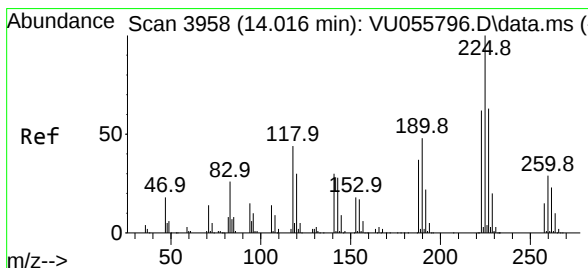
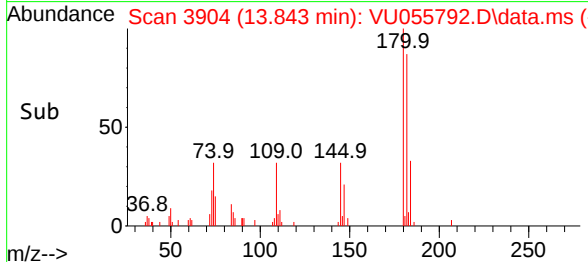
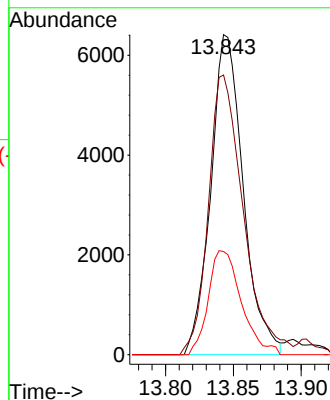
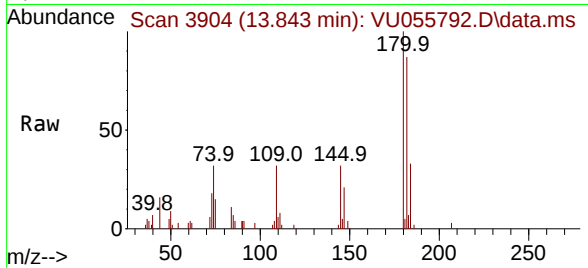
Tgt Ion:180	Resp:	10690
Ion Ratio	Lower	Upper
180	100	
182	93.9	75.8 113.6
145	33.1	23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#88

Hexachlorobutadiene

Concen: 0.471 ug/l

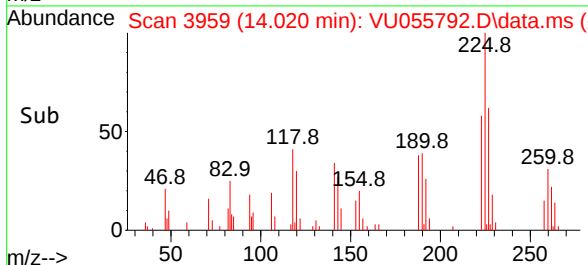
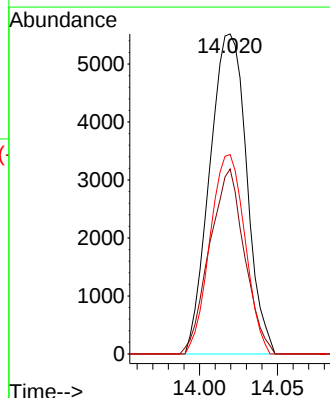
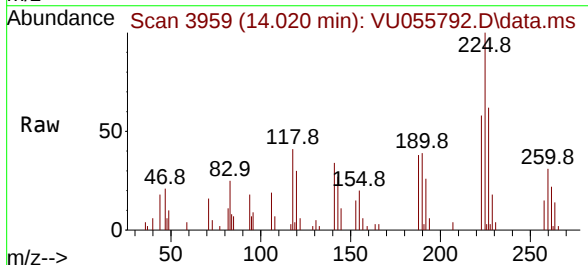
RT: 14.020 min Scan# 3959

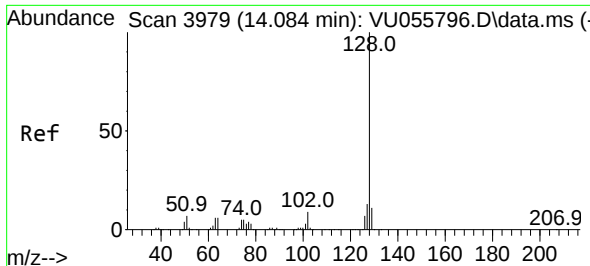
Delta R.T. 0.004 min

Lab File: VU055792.D

Acq: 18 Oct 2023 09:36

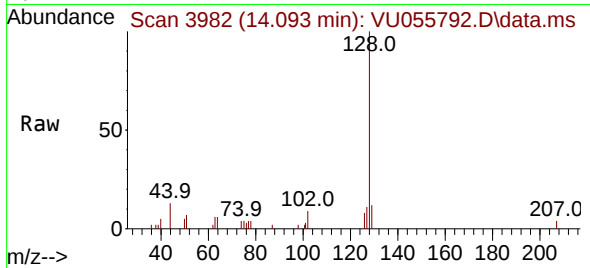
Tgt Ion:225	Resp:	9093
Ion Ratio	Lower	Upper
225	100	
223	54.9	50.2 75.4
227	58.7	51.5 77.3





#89
Naphthalene
Concen: 0.363 ug/l
RT: 14.093 min Scan# 3979
Delta R.T. 0.009 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36

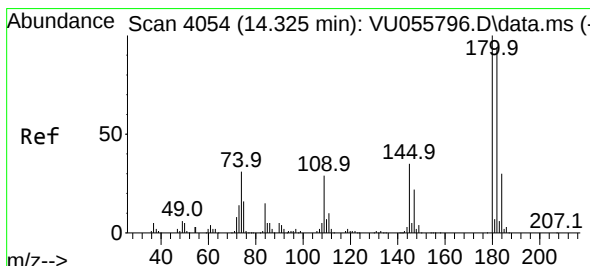
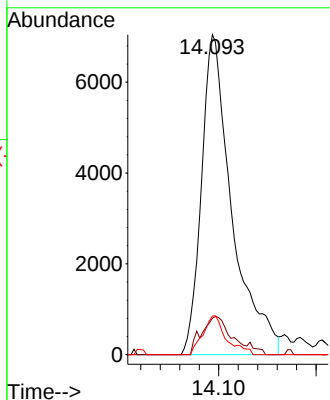
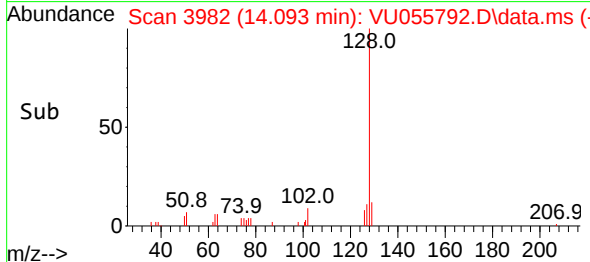
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



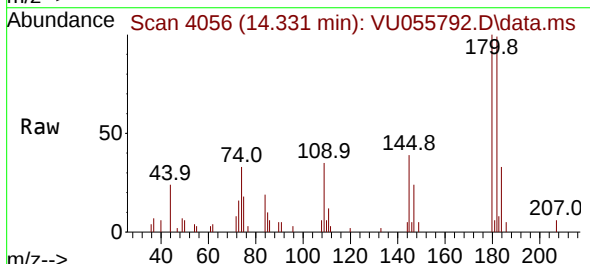
Tgt Ion:128 Resp: 1533
Ion Ratio Lower Upper
128 100
127 12.3 10.9 16.3
129 9.3 8.6 12.8

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.374 ug/l
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU055792.D
Acq: 18 Oct 2023 09:36



Tgt Ion:180 Resp: 8905
Ion Ratio Lower Upper
180 100
182 97.8 75.7 113.5
145 35.3 26.1 39.1

