

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055230.D
 Acq On : 11 Sep 2023 11:28
 Operator : MD/SY
 Sample : VSTDICC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 11 11:48:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 11:40:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	64751	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	25547	1.093	ug/l	0.00
Spiked Amount	1.000		Recovery	= 109.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	27125	1.156	ug/l	0.00
Spiked Amount	1.000		Recovery	= 116.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	416911	17.812	ug/l	99
3) Chloromethane	1.515	50	422964	17.736	ug/l	99
4) Vinyl Chloride	1.602	62	461027	18.296	ug/l	100
5) Bromomethane	1.849	94	312003	14.621	ug/l	97
6) Chloroethane	1.927	64	287566	17.853	ug/l	99
7) Trichlorofluoromethane	2.136	101	629387	16.681	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	321097	17.170	ug/l	96
9) 1,1-Dichloroethene	2.576	96	299153	17.485	ug/l	95
10) Iodomethane	2.718	142	480471	27.695	ug/l	96
11) Allyl Chloride	2.920	41	411370	21.304	ug/l	89
12) Acrylonitrile	3.309	53	120931	36.392	ug/l	97
13) Acetone	2.621	43	406247	62.330	ug/l	96
14) Carbon Disulfide	2.788	76	978405	18.656	ug/l	100
15) Methylene Chloride	3.039	84	364615	9.029	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	379326	21.462	ug/l	94
17) 1,1-Dichloroethane	3.865	63	678732	21.041	ug/l	99
18) 2-Butanone	4.695	43	547554	82.546	ug/l	99
19) Cyclohexane	5.386	56	537910	20.251	ug/l	84
20) Methylcyclohexane	6.762	83	699401	21.077	ug/l	93
21) 2,2-Dichloropropane	4.660	77	556826	20.163	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	413037	21.502	ug/l	98
23) Diethyl Ether	2.373	59	242760	17.880	ug/l	96
24) tert-Butyl Alcohol	3.174	59	197911m	160.352	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	760248	20.050	ug/l	98
26) Bromochloromethane	4.968	128	168950	21.831	ug/l	96
27) Chloroform	5.084	83	697624	20.833	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	633493	21.943	ug/l	98
29) 1,1-Dichloropropene	5.524	75	539484	21.595	ug/l	100
30) Carbon Tetrachloride	5.521	117	554977	24.153	ug/l	99
31) Isopropyl Ether	3.988	45	950192	21.410	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	935722	20.526	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	831994	20.525	ug/l	97
34) Propionitrile	4.766	54	111631	99.830	ug/l #	15
35) Benzene	5.772	78	1550286	21.214	ug/l	100
36) 1,2-Dichloroethane	5.791	62	410833	19.570	ug/l	100
37) Trichloroethene	6.541	130	432722	23.544	ug/l	98
38) 1,2-Dichloropropane	6.788	63	401664	21.450	ug/l	98
39) Methacrylonitrile	4.968	41	88828	19.463	ug/l	93
40) Methyl acrylate	4.840	55	155813	18.829	ug/l	96
41) Tetrahydrofuran	5.049	42	88564	37.165	ug/l	92
42) 1-Chlorobutane	5.454	56	712618	21.446	ug/l	97
43) Dibromomethane	6.917	93	187371	21.003	ug/l	99
44) Bromodichloromethane	7.103	83	507813	22.764	ug/l	99

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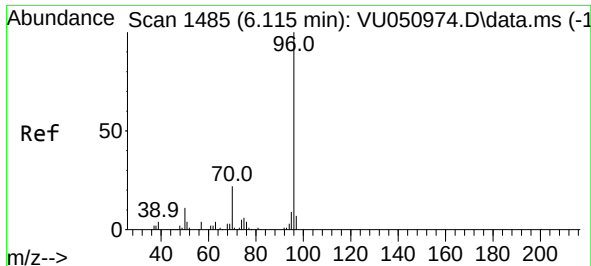
Manual Integrations
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 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 11:48:09 2023
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	932654	100.787	ug/l	97
46) t-1,4-Dichloro-2-butene	10.836	75	133277m	26.271	ug/l	
47) Methyl methacrylate	6.959	69	329454	40.167	ug/l	97
48) Ethyl methacrylate	8.331	69	329022	20.684	ug/l	96
49) Toluene	7.968	92	996374	22.245	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	460061	22.265	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	562929	21.998	ug/l	100
52) 1,1,2-Trichloroethane	8.399	97	268157	20.730	ug/l	98
53) 1,3-Dichloropropane	8.573	76	459939	20.612	ug/l	99
54) 2-Hexanone	8.682	43	828759	85.363	ug/l	98
55) Dibromochloromethane	8.807	129	326339	24.782	ug/l	99
56) 1,2-Dibromoethane	8.923	107	251391	21.093	ug/l	99
58) Tetrachloroethene	8.553	164	496022	28.859	ug/l	97
59) Chlorobenzene	9.444	112	1093703	22.178	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	364432	24.314	ug/l	98
61) Pentachloroethane	11.425	117	161968	15.380	ug/l	93
62) Hexachloroethane	12.473	117	322756	26.646	ug/l	99
63) Ethyl Benzene	9.569	91	1978848	22.881	ug/l	99
64) m/p-Xylenes	9.692	106	1538929	46.542	ug/l	97
65) o-Xylene	10.100	106	747754	23.108	ug/l	98
66) Styrene	10.113	104	1205887	24.239	ug/l	99
67) Bromoform	10.290	173	174550	28.165	ug/l	99
69) Isopropylbenzene	10.483	105	1970575	23.257	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.782	83	276661	17.767	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	252357m	21.463	ug/l	
72) Bromobenzene	10.782	156	437819	24.665	ug/l	95
73) n-propylbenzene	10.904	120	553178	24.713	ug/l	93
74) 2-Chlorotoluene	10.984	126	461501	23.847	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	1737928	24.426	ug/l	99
76) 4-Chlorotoluene	11.097	126	487431	24.256	ug/l	100
77) tert-Butylbenzene	11.418	119	1524092	23.110	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	1806132	24.925	ug/l	99
79) sec-Butylbenzene	11.643	105	2272293	23.922	ug/l	98
80) Nitrobenzene	13.206	77	39849	101.855	ug/l #	93
81) p-Isopropyltoluene	11.791	119	1909891	25.596	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	940518	24.861	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	935425	24.435	ug/l	99
84) n-Butylbenzene	12.206	91	1844205	25.016	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	862000	24.046	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	52454	22.179	ug/l	95
87) 1,2,4-Trichlorobenzene	13.839	180	580499	27.763	ug/l	99
88) Hexachlorobutadiene	14.019	225	340507	34.050	ug/l	99
89) Naphthalene	14.084	128	902493	21.453	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	492746	27.353	ug/l	99

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



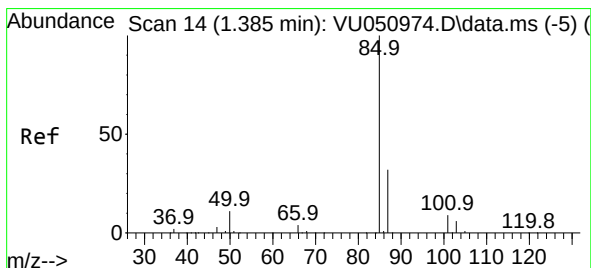
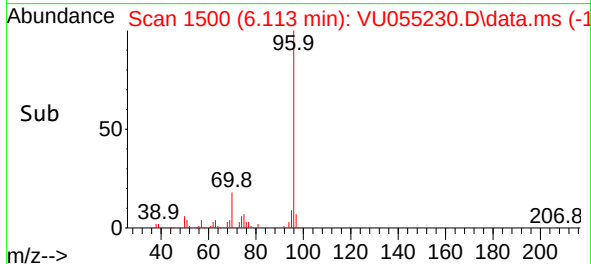
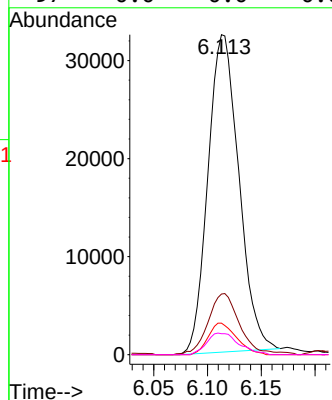
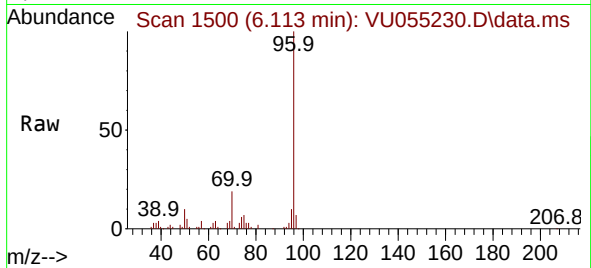
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 6475
Ion Ratio Lower Upper
96 100
70 19.7 16.5 24.7
95 0.0 7.4 11.0
97 0.0 0.0 0.0

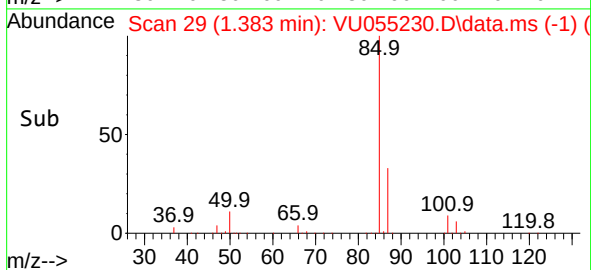
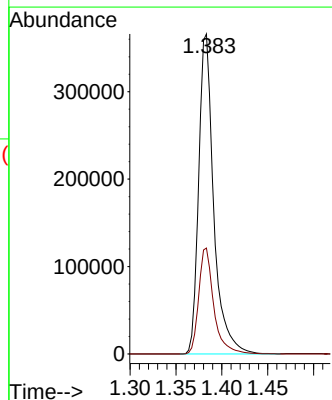
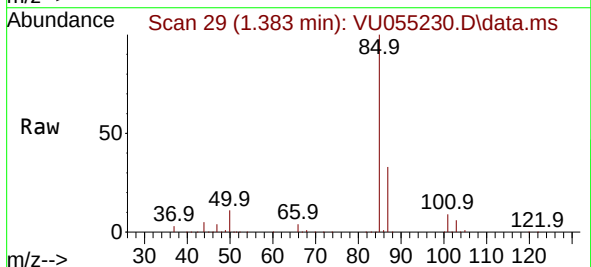
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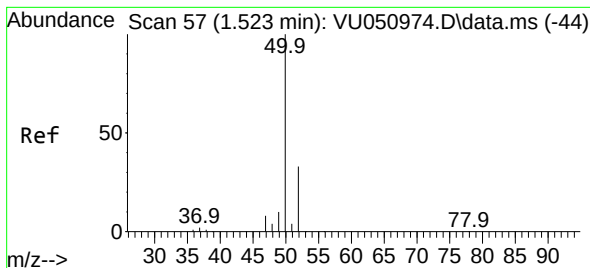
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 17.812 ug/l
RT: 1.383 min Scan# 29
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion: 85 Resp: 416911
Ion Ratio Lower Upper
85 100
87 33.1 16.2 48.6





#3

Chloromethane

Concen: 17.736 ug/l

RT: 1.515 min Scan# 70

Delta R.T. -0.008 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 422964

Ion Ratio Lower Upper

50 100

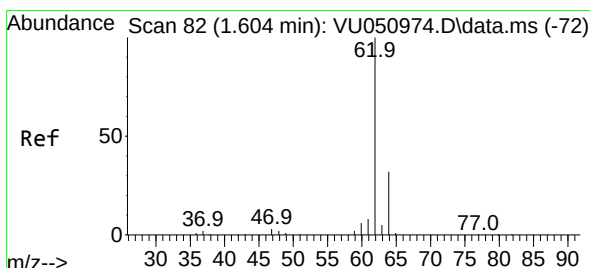
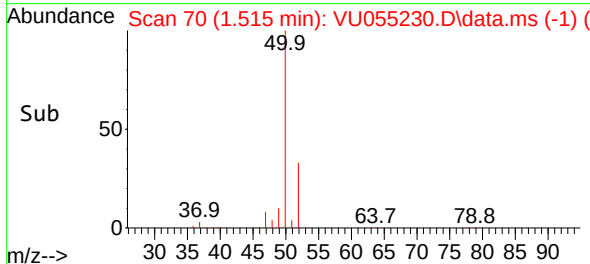
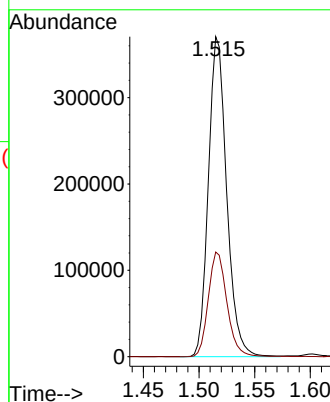
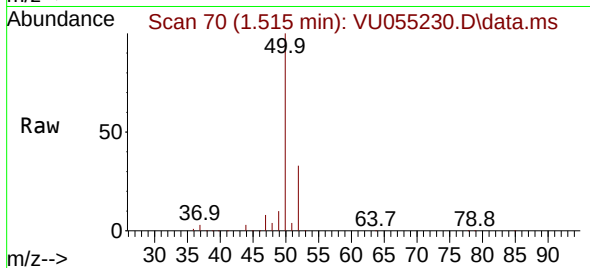
52 32.7 26.6 40.0

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#4

Vinyl Chloride

Concen: 18.296 ug/l

RT: 1.602 min Scan# 97

Delta R.T. -0.002 min

Lab File: VU055230.D

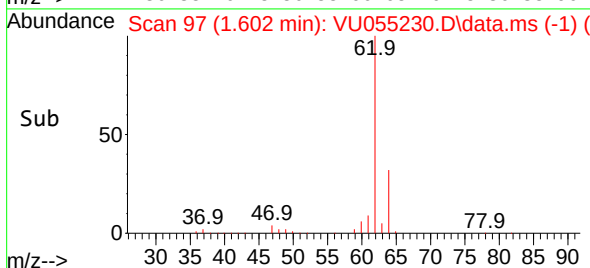
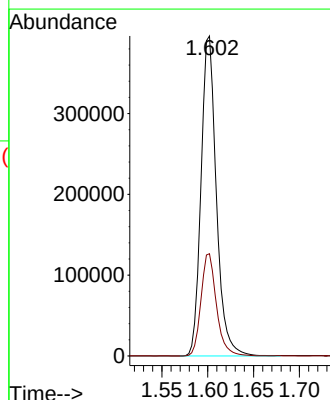
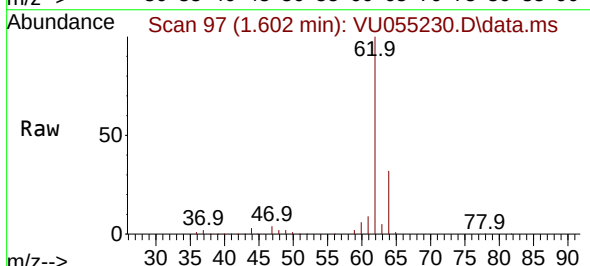
Acq: 11 Sep 2023 11:28

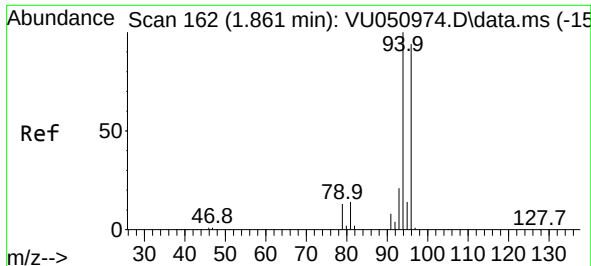
Tgt Ion: 62 Resp: 461027

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





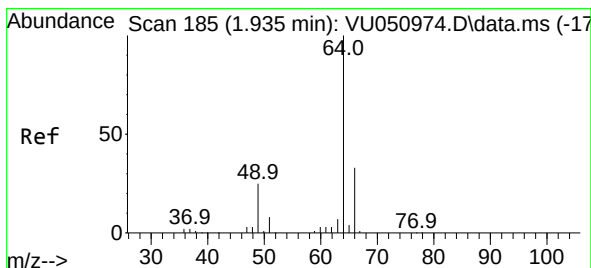
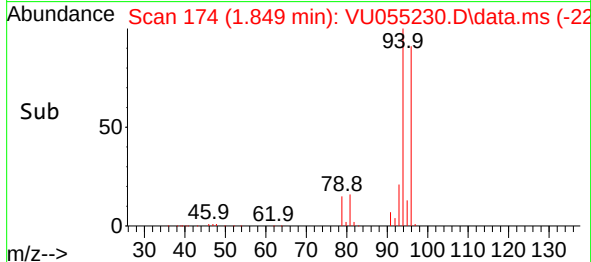
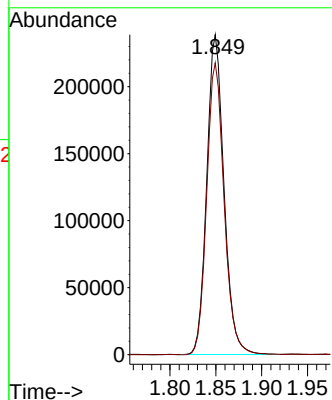
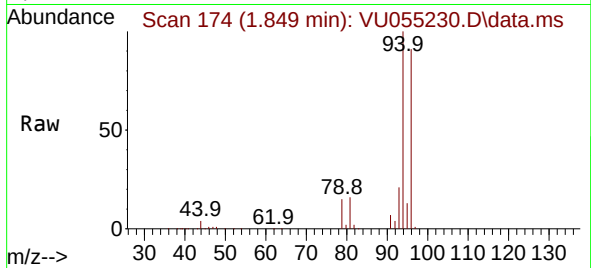
#5
Bromomethane
Concen: 14.621 ug/l
RT: 1.849 min Scan# 11
Delta R.T. -0.012 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 31200
Ion Ratio Lower Upper
94 100
96 91.2 75.4 113.2

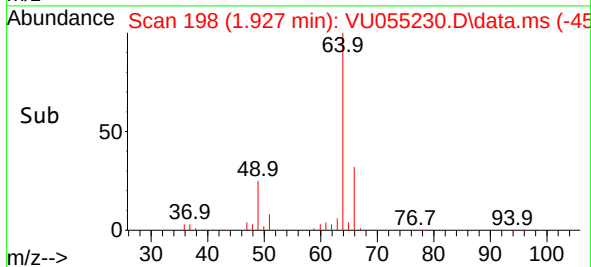
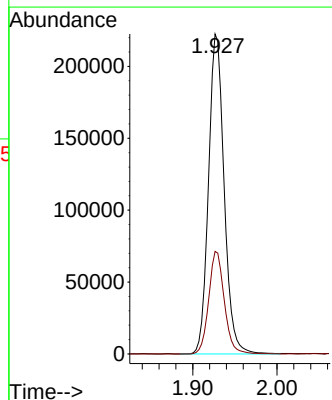
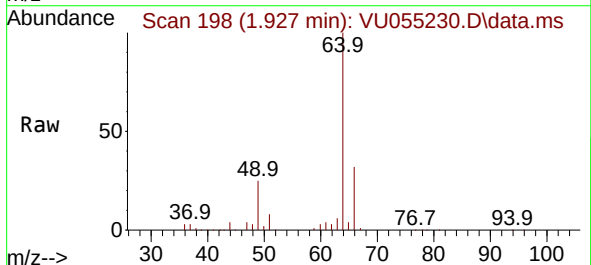
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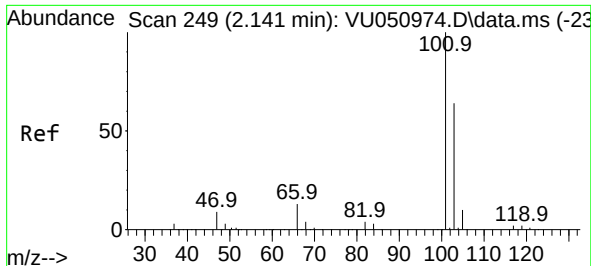
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 17.853 ug/l
RT: 1.927 min Scan# 198
Delta R.T. -0.008 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion: 64 Resp: 287566
Ion Ratio Lower Upper
64 100
66 32.1 26.0 39.0





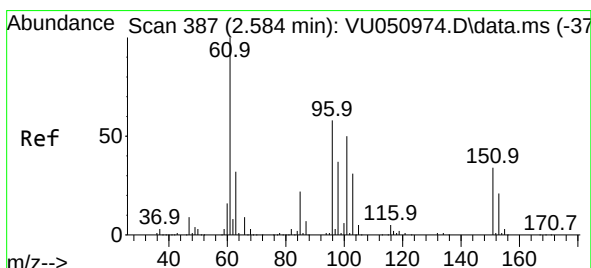
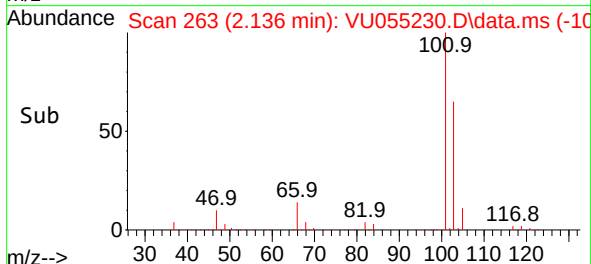
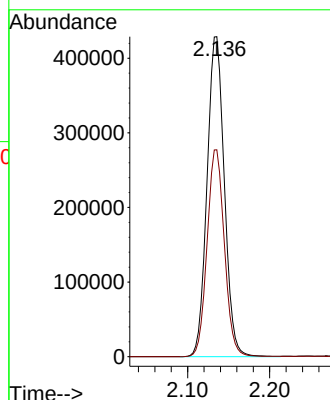
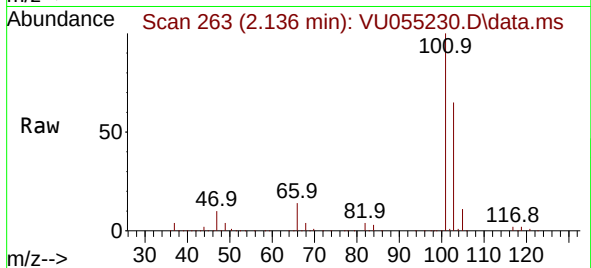
#7
Trichlorofluoromethane
Concen: 16.681 ug/l
RT: 2.136 min Scan# 20
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 62938
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0

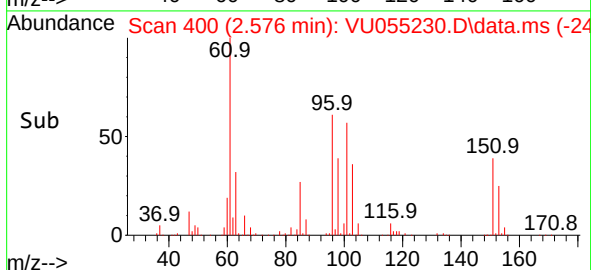
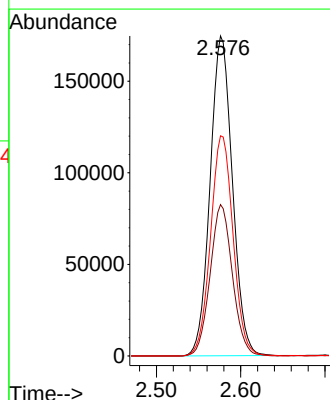
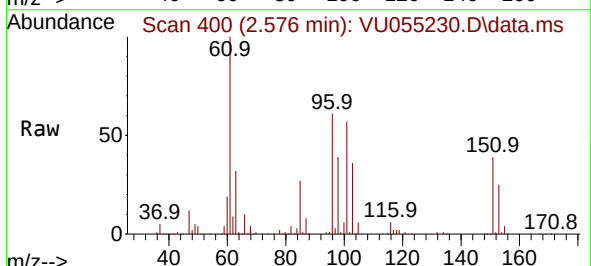
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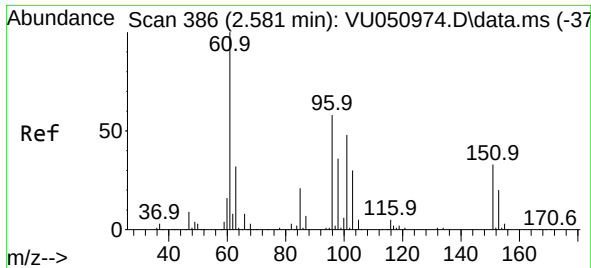
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 17.170 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.008 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:101 Resp: 321097
Ion Ratio Lower Upper
101 100
85 47.3 35.4 53.0
151 69.7 54.0 81.0





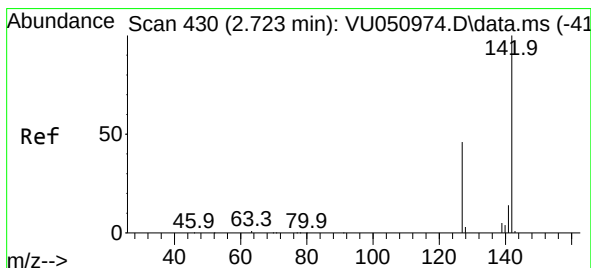
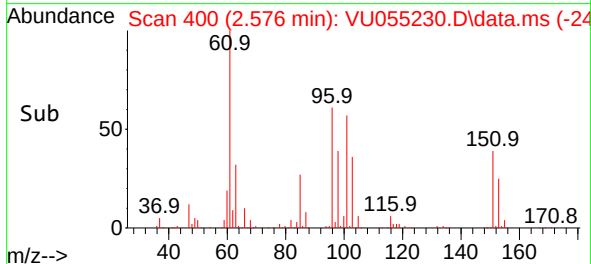
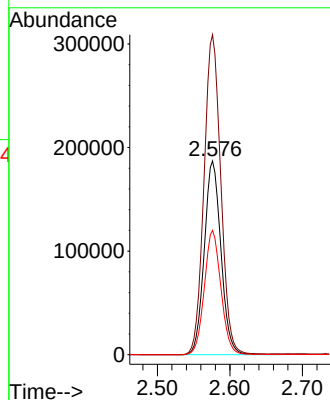
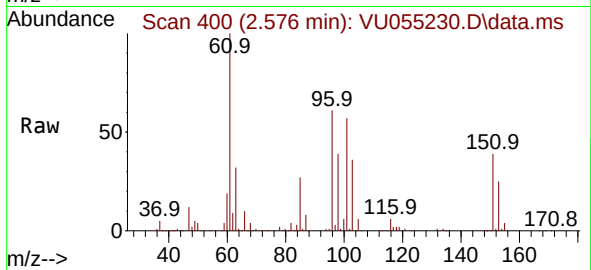
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1,1-Dichloroethene
Concen: 17.485 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 29915
Ion Ratio Lower Upper
96 100
61 165.2 0.0 521.4
98 64.2 0.0 125.8

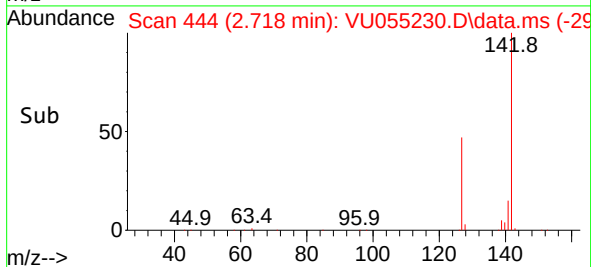
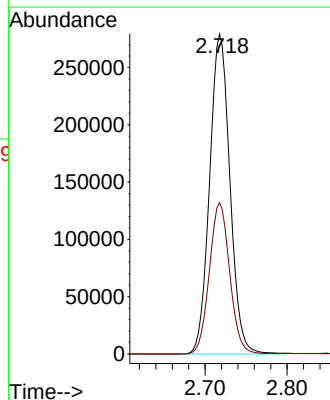
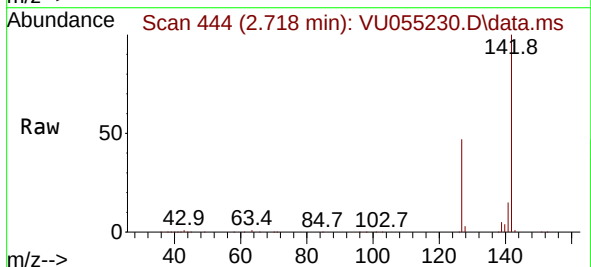
Manual Integrations
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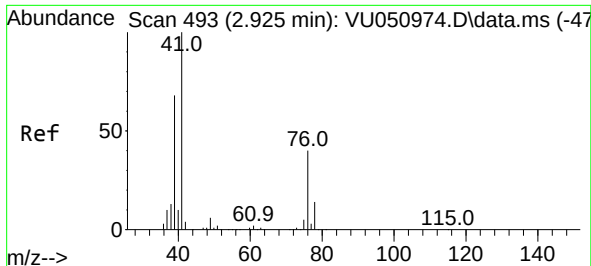
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Iodomethane
Concen: 27.695 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

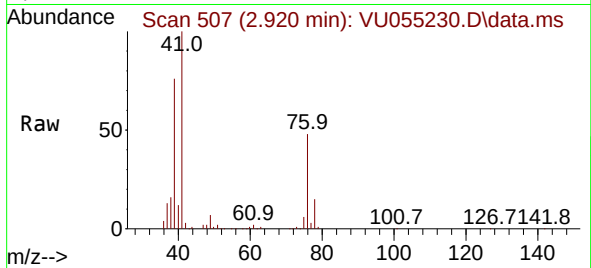
Tgt Ion:142 Resp: 480471
Ion Ratio Lower Upper
142 100
127 47.2 35.9 53.9





#11
 Allyl Chloride
 Concen: 21.304 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. -0.005 min
 Lab File: VU055230.D
 Acq: 11 Sep 2023 11:28

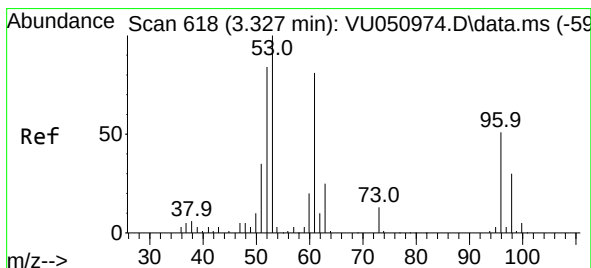
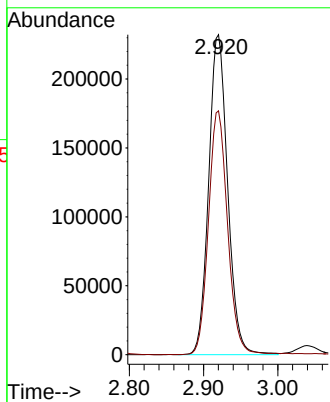
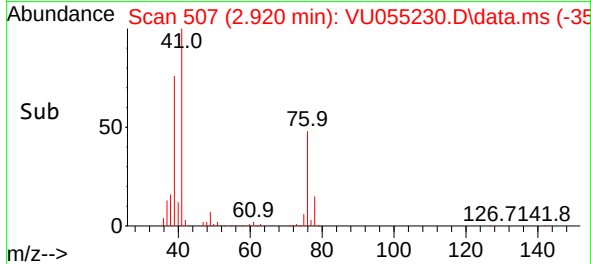
Instrument :
 MSVOA_U
 Client Sample Id :
 VSTDIC020



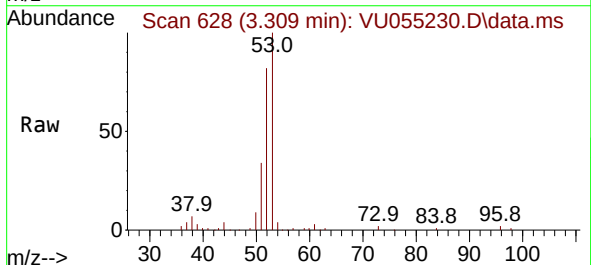
Tgt Ion: 41 Resp: 411370
 Ion Ratio Lower Upper
 41 100
 39 76.6 54.2 81.2

Manual Integrations
 APPROVED

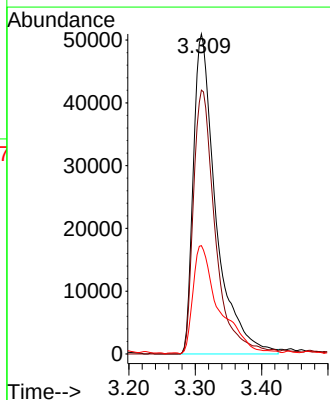
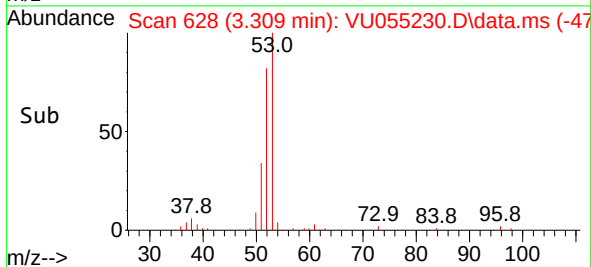
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

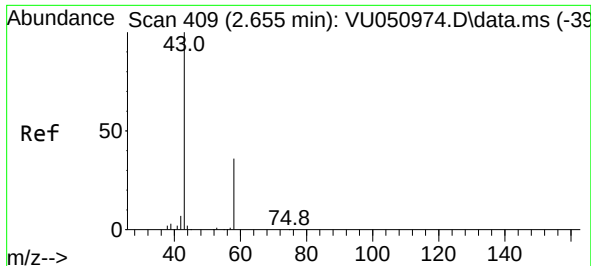


#12
 Acrylonitrile
 Concen: 36.392 ug/l
 RT: 3.309 min Scan# 628
 Delta R.T. -0.018 min
 Lab File: VU055230.D
 Acq: 11 Sep 2023 11:28



Tgt Ion: 53 Resp: 120931
 Ion Ratio Lower Upper
 53 100
 52 79.1 62.9 94.3
 51 39.4 27.8 41.6





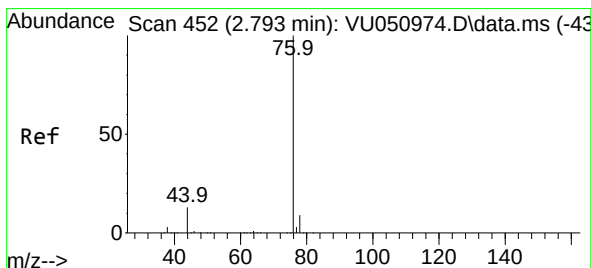
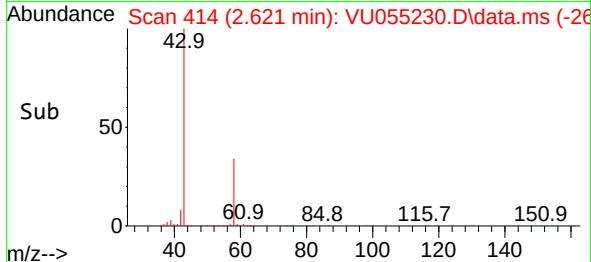
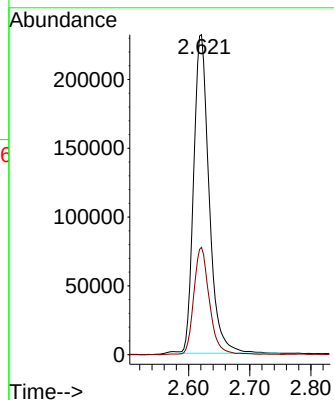
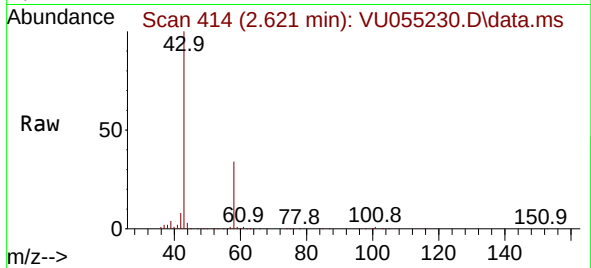
#13
Acetone
Concen: 62.330 ug/l
RT: 2.621 min Scan# 414
Delta R.T. -0.034 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 40624
Ion Ratio Lower Upper
43 100
58 33.6 29.0 43.4

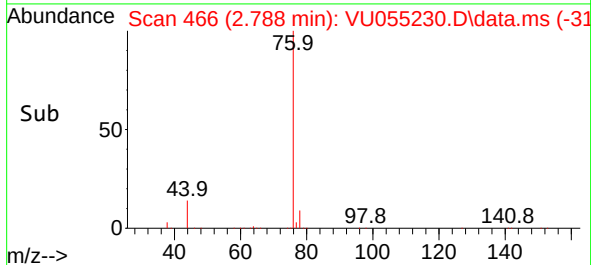
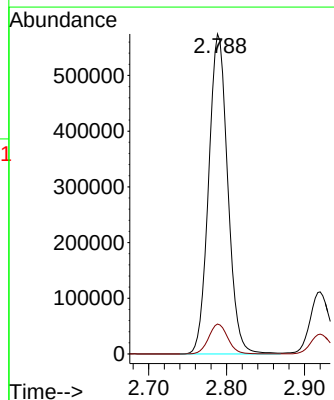
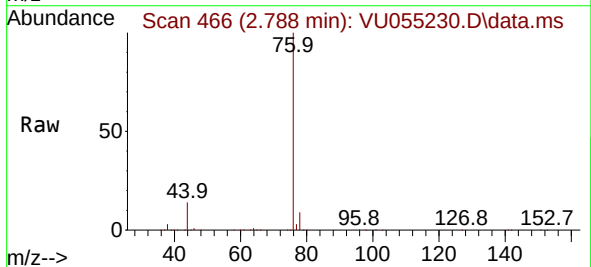
Manual Integrations
APPROVED

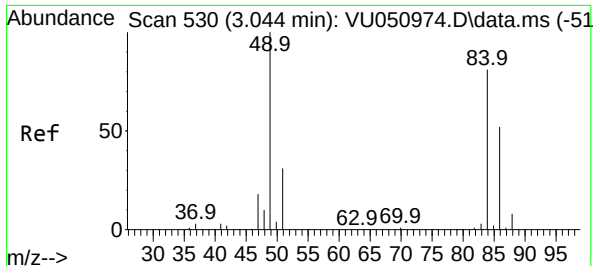
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#14
Carbon Disulfide
Concen: 18.656 ug/l
RT: 2.788 min Scan# 466
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

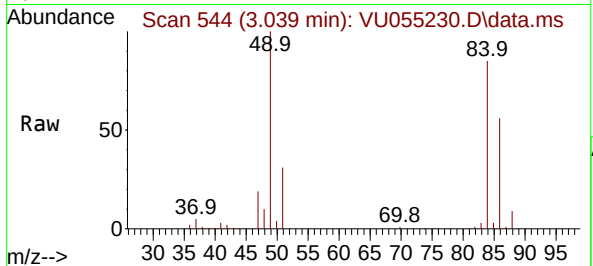
Tgt Ion: 76 Resp: 978405
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#15
Methylene Chloride
Concen: 9.029 ug/l
RT: 3.039 min Scan# 54
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

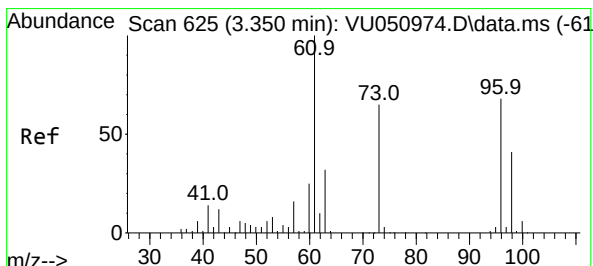
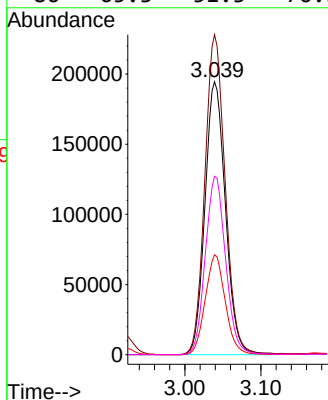
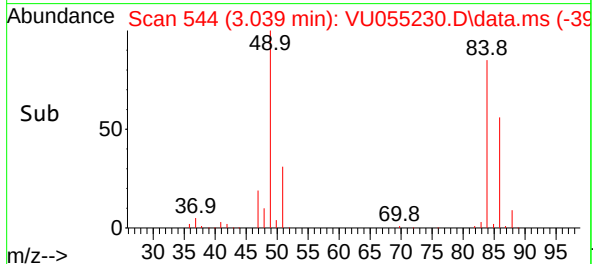
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



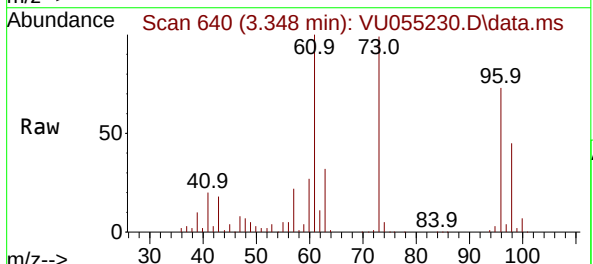
Tgt Ion: 84 Resp: 36461
Ion Ratio Lower Upper
84 100
49 117.1 98.9 148.3
51 36.6 0.0 75.4
86 65.3 51.3 76.9

Manual Integrations
APPROVED

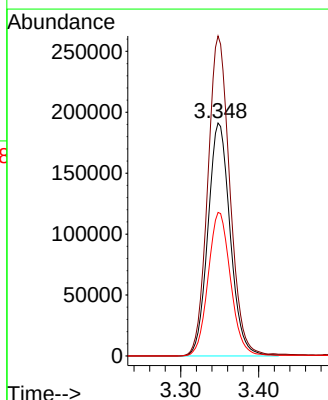
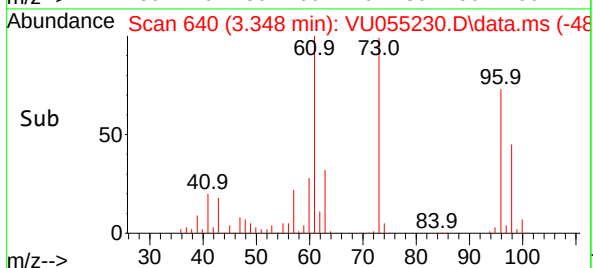
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

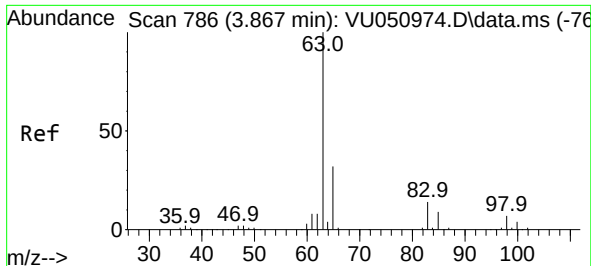


#16
trans-1,2-Dichloroethene
Concen: 21.462 ug/l
RT: 3.348 min Scan# 640
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion: 96 Resp: 379326
Ion Ratio Lower Upper
96 100
61 137.4 117.5 176.3
98 61.6 48.3 72.5





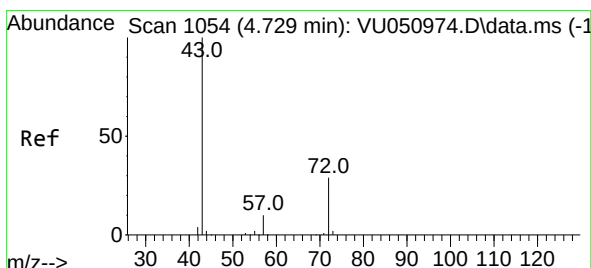
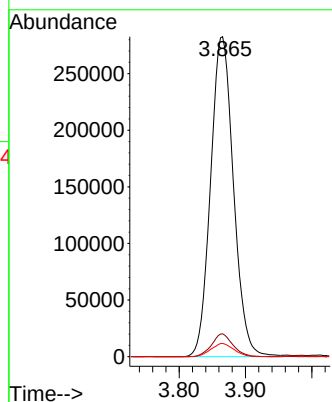
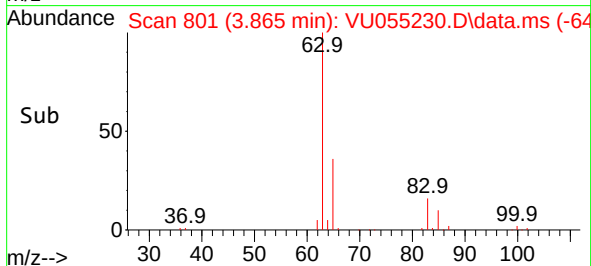
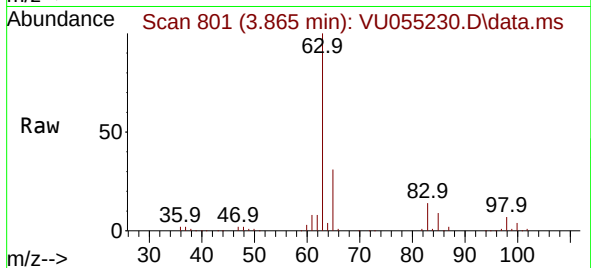
#17
1,1-Dichloroethane
Concen: 21.041 ug/l
RT: 3.865 min Scan# 801
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
Client Sample Id :
VSTDIC020

Tgt Ion: 63 Resp: 678732
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.1
100 4.2 2.2 6.6

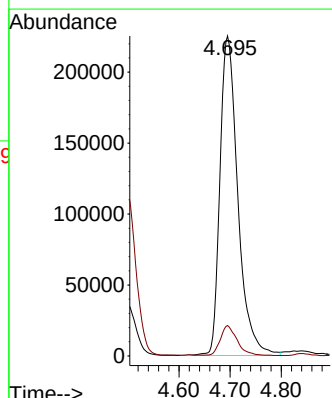
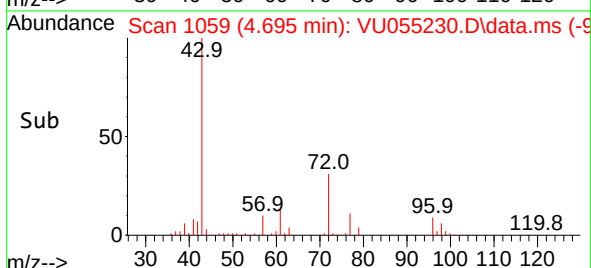
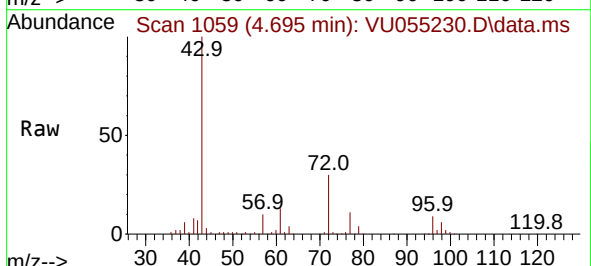
Manual Integrations
APPROVED

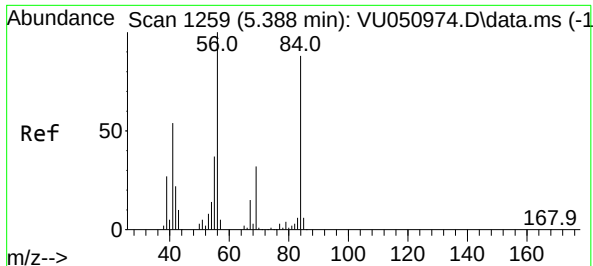
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#18
2-Butanone
Concen: 82.546 ug/l
RT: 4.695 min Scan# 1059
Delta R.T. -0.034 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion: 43 Resp: 547554
Ion Ratio Lower Upper
43 100
57 9.4 0.0 19.6





#19

Cyclohexane

Concen: 20.251 ug/l

RT: 5.386 min Scan# 11

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 537910

Ion Ratio Lower Upper

56 100

69 36.5 24.6 37.0

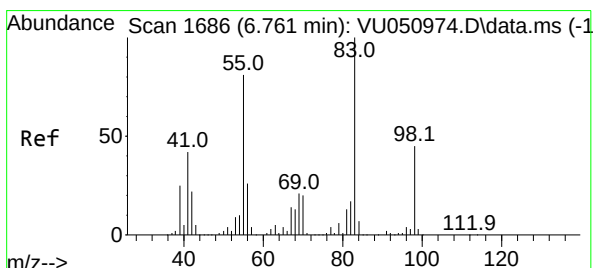
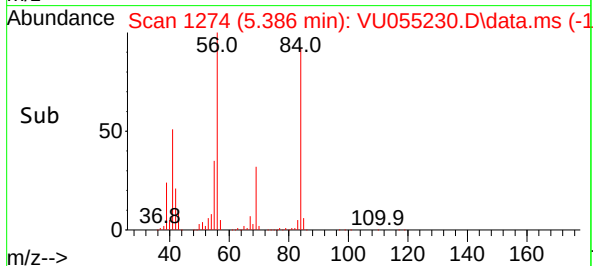
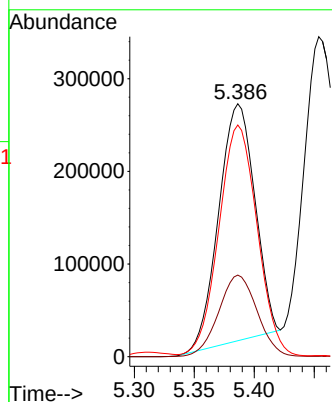
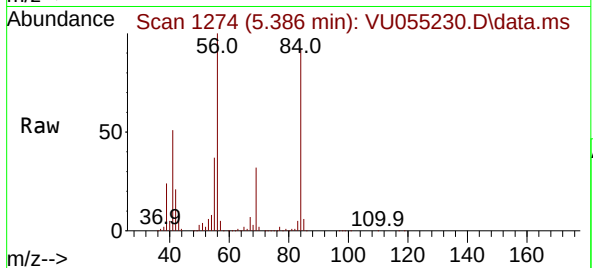
84 102.2 68.4 102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylcyclohexane

Concen: 21.077 ug/l

RT: 6.762 min Scan# 1702

Delta R.T. 0.001 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

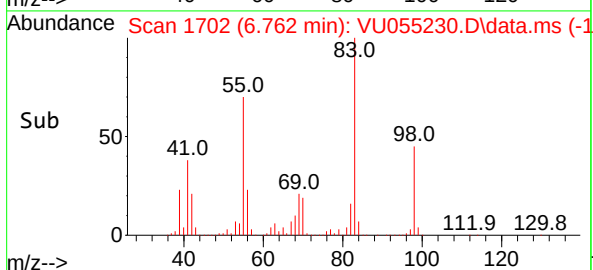
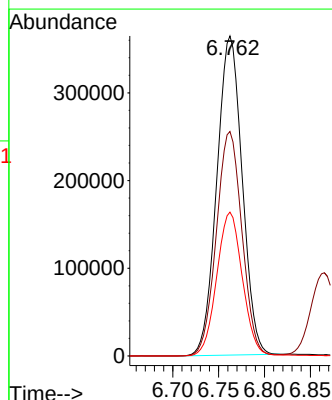
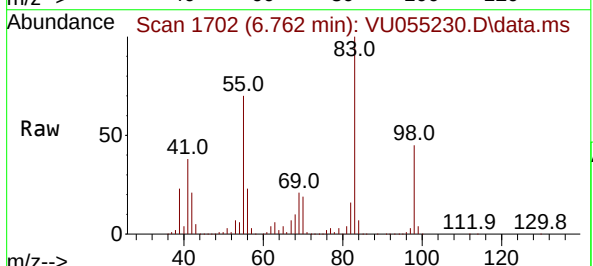
Tgt Ion: 83 Resp: 699401

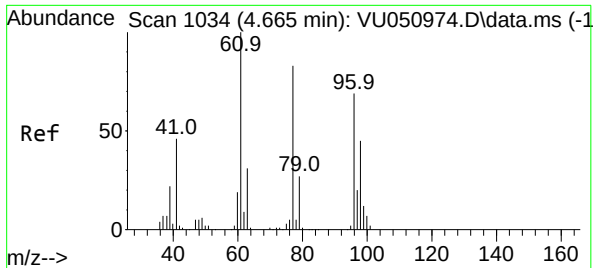
Ion Ratio Lower Upper

83 100

55 70.4 63.5 95.3

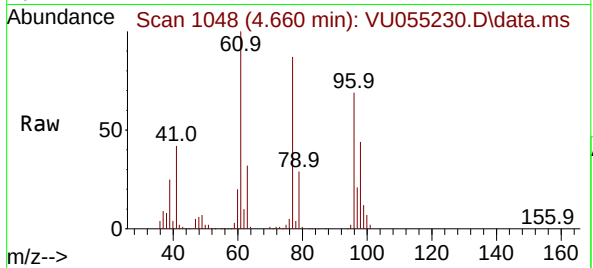
98 45.1 36.0 54.0





#21
2,2-Dichloropropane
Concen: 20.163 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

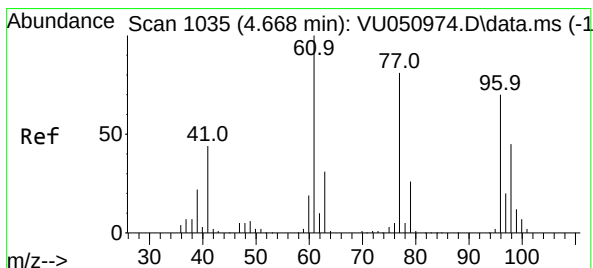
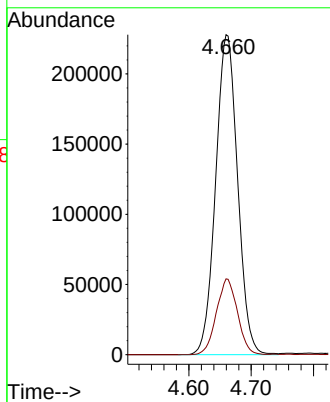
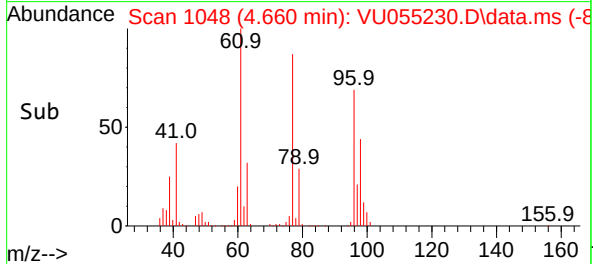
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



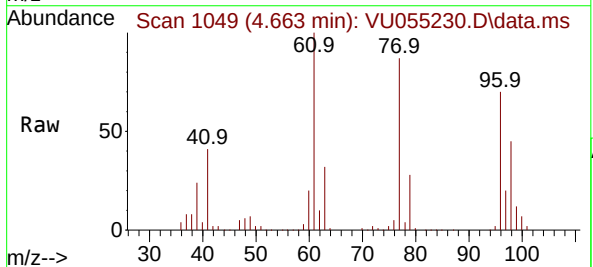
Tgt Ion: 77 Resp: 556820
Ion Ratio Lower Upper
77 100
97 22.7 18.4 27.6

Manual Integrations
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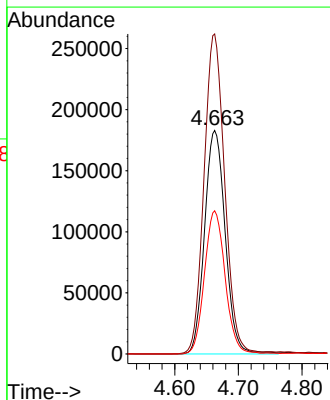
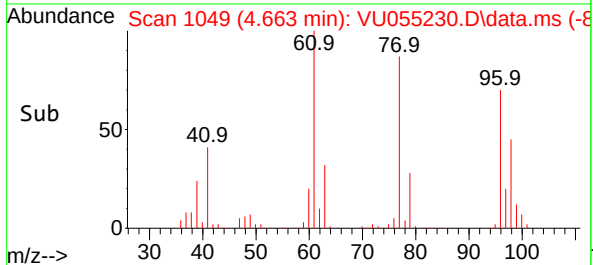
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

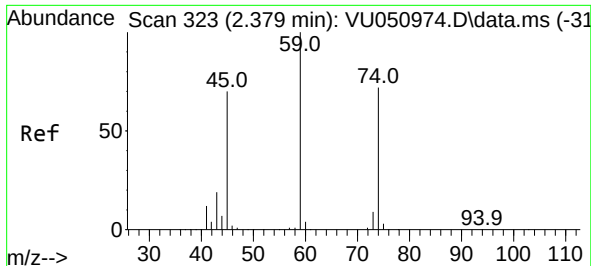


#22
cis-1,2-Dichloroethene
Concen: 21.502 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. -0.005 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion: 96 Resp: 413037
Ion Ratio Lower Upper
96 100
61 143.0 0.0 365.8
98 64.0 32.0 96.0





#23

Diethyl Ether

Concen: 17.880 ug/l

RT: 2.373 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 242760

Ion Ratio Lower Upper

59 100

45 67.0 56.1 84.1

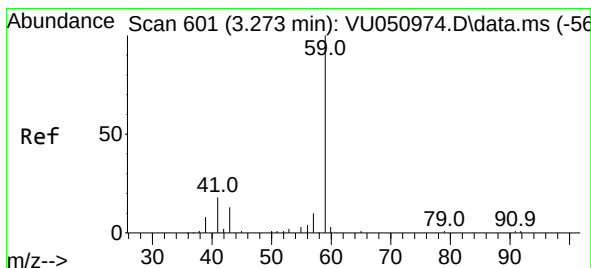
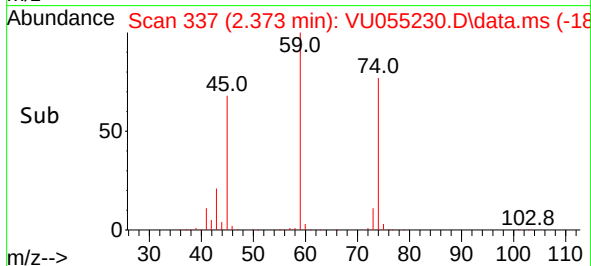
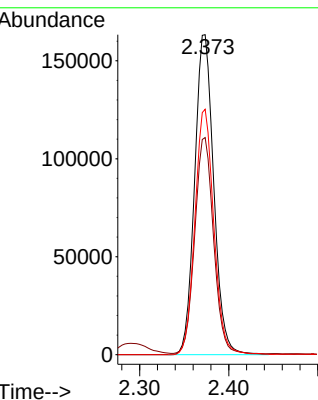
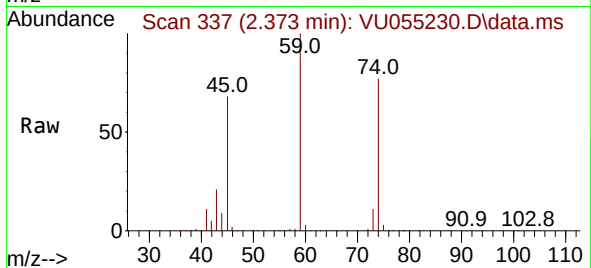
74 75.9 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

tert-Butyl Alcohol

Concen: 160.352 ug/l m

RT: 3.174 min Scan# 586

Delta R.T. -0.099 min

Lab File: VU055230.D

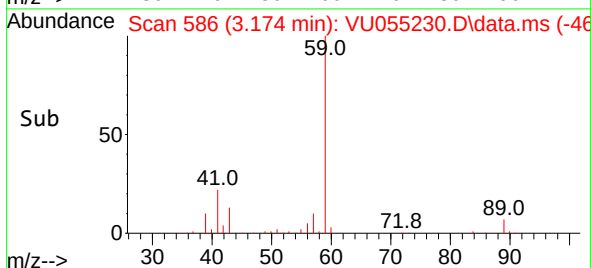
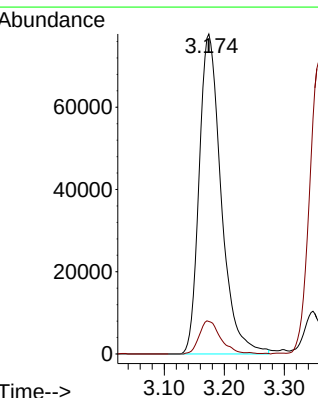
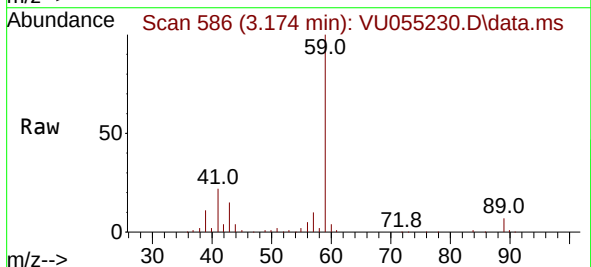
Acq: 11 Sep 2023 11:28

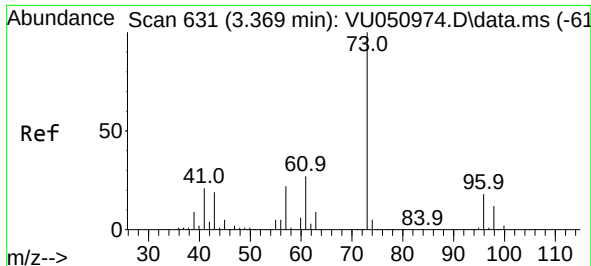
Tgt Ion: 59 Resp: 197911

Ion Ratio Lower Upper

59 100

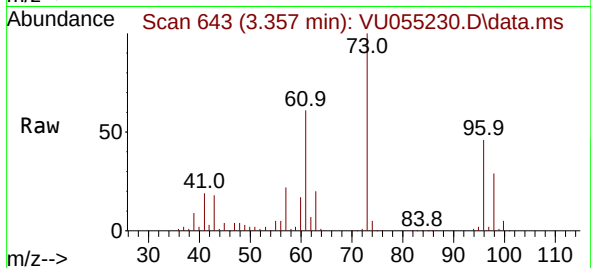
57 81.7 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 20.050 ug/l
RT: 3.357 min Scan# 643
Delta R.T. -0.012 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

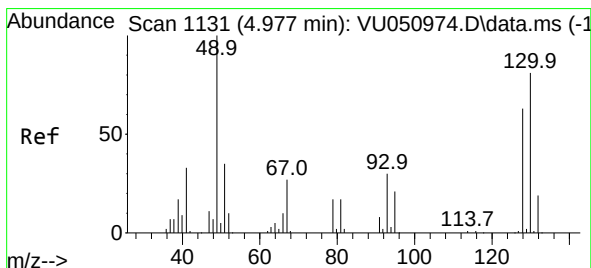
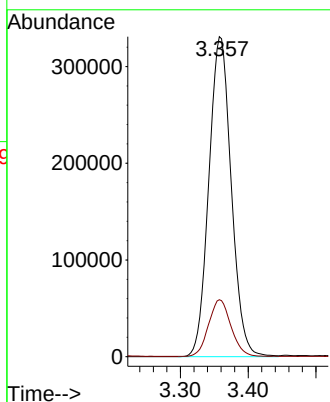
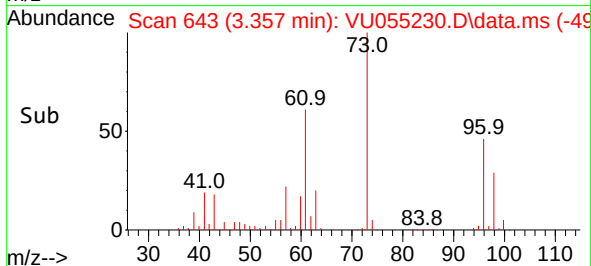
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



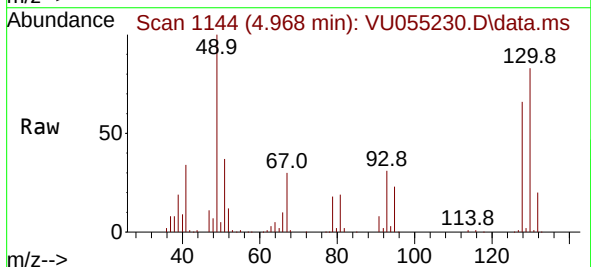
Tgt Ion: 73 Resp: 760248
Ion Ratio Lower Upper
73 100
43 17.7 15.0 22.6

Manual Integrations
APPROVED

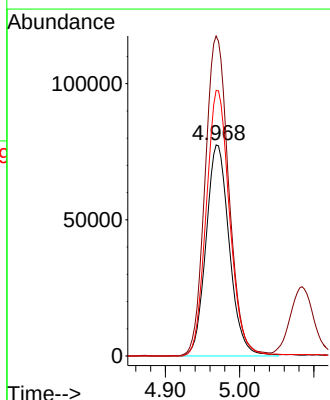
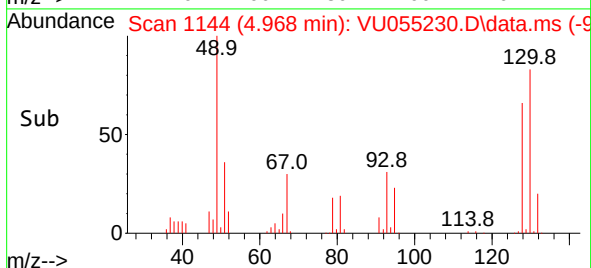
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

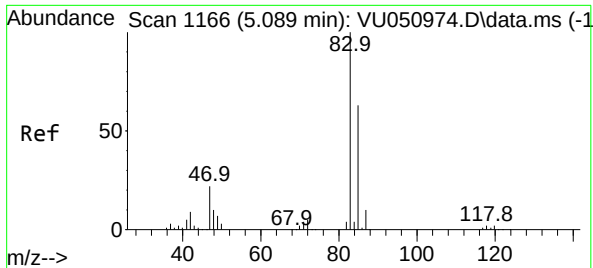


#26
Bromochloromethane
Concen: 21.831 ug/l
RT: 4.968 min Scan# 1144
Delta R.T. -0.009 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion:128 Resp: 168950
Ion Ratio Lower Upper
128 100
49 154.2 0.0 324.6
130 126.3 103.0 154.4





#27

Chloroform

Concen: 20.833 ug/l

RT: 5.084 min Scan# 1166

Delta R.T. -0.005 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 697624

Ion Ratio Lower Upper

83 100

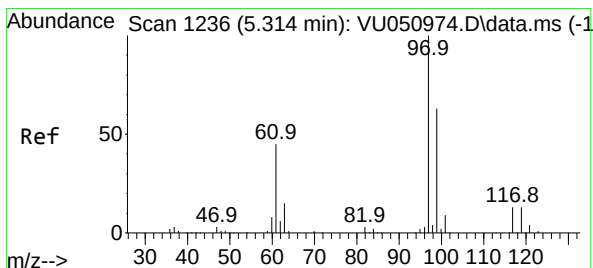
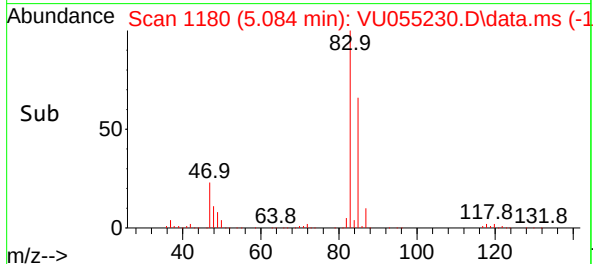
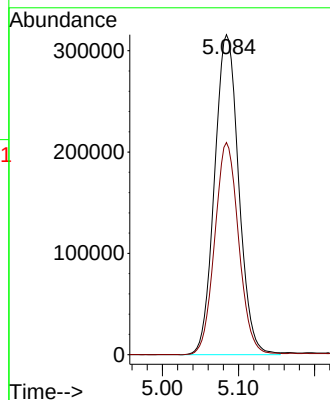
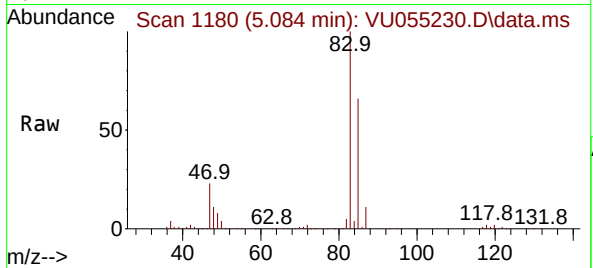
85 66.3 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

1,1,1-Trichloroethane

Concen: 21.943 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

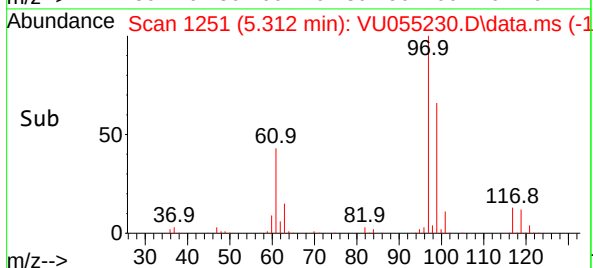
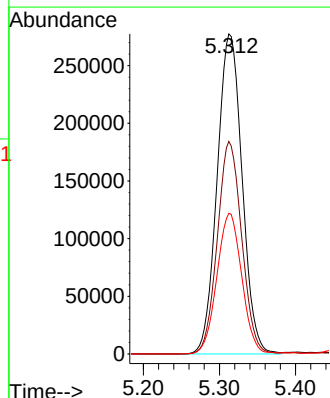
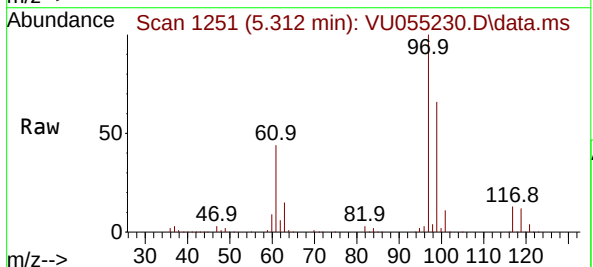
Tgt Ion: 97 Resp: 633493

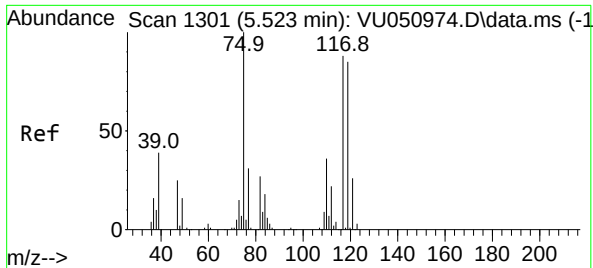
Ion Ratio Lower Upper

97 100

99 64.8 32.0 96.2

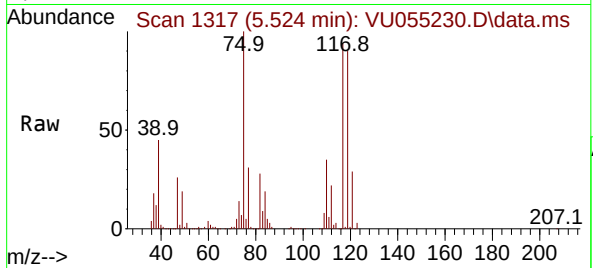
61 43.7 22.9 68.5





#29
1,1-Dichloropropene
Concen: 21.595 ug/l
RT: 5.524 min Scan# 1317
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

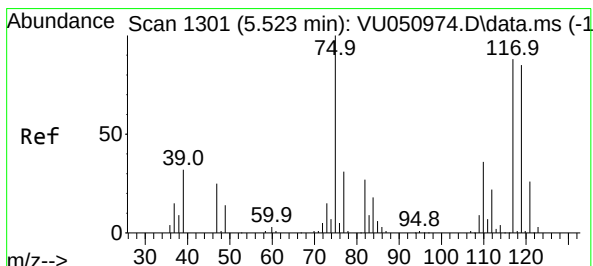
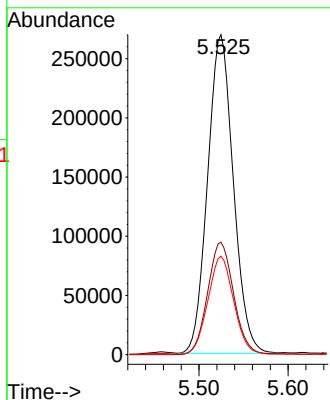
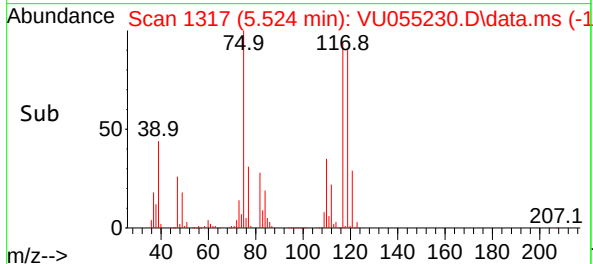
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



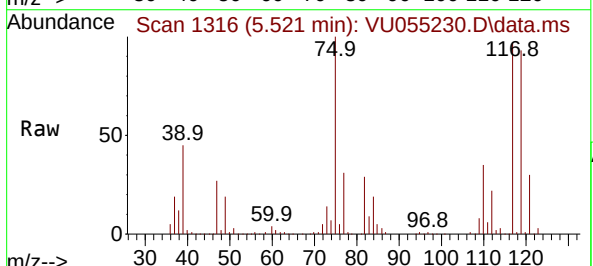
Tgt Ion: 75 Resp: 539484
Ion Ratio Lower Upper
75 100
110 35.9 18.0 54.0
77 30.6 24.7 37.1

Manual Integrations
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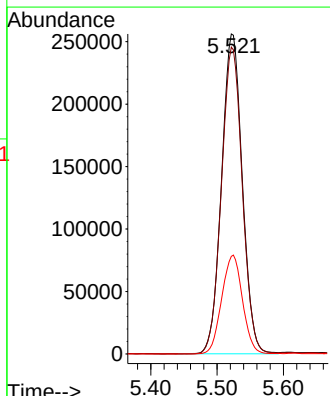
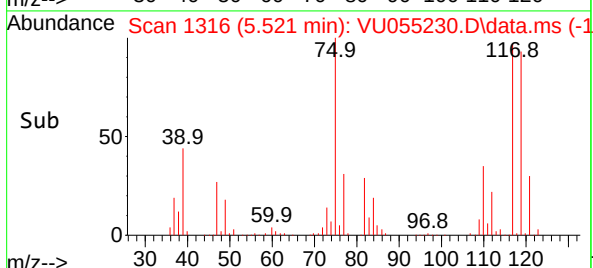
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

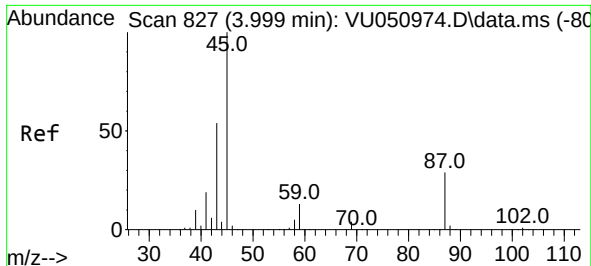


#30
Carbon Tetrachloride
Concen: 24.153 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



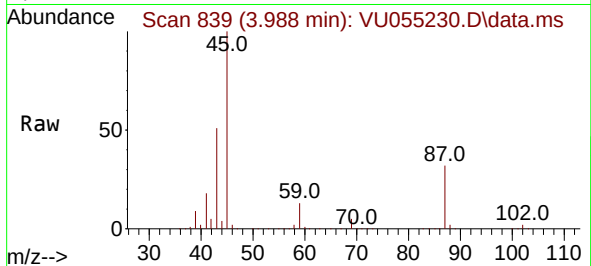
Tgt Ion:117 Resp: 554977
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 30.5 24.0 36.0





#31
Isopropyl Ether
Concen: 21.410 ug/l
RT: 3.988 min Scan# 81
Delta R.T. -0.011 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

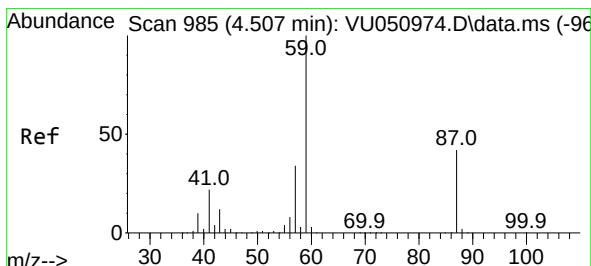
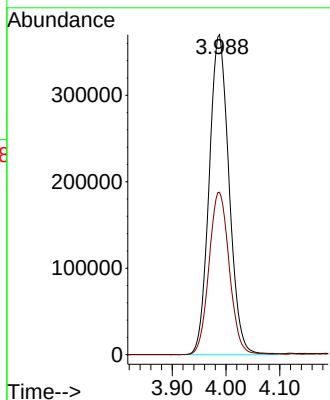
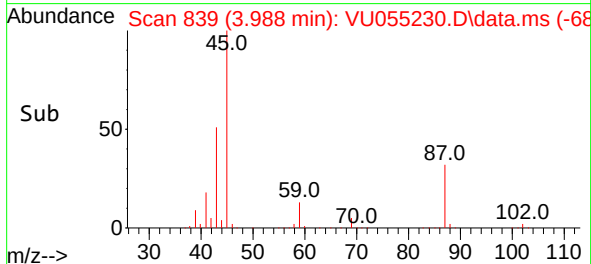
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



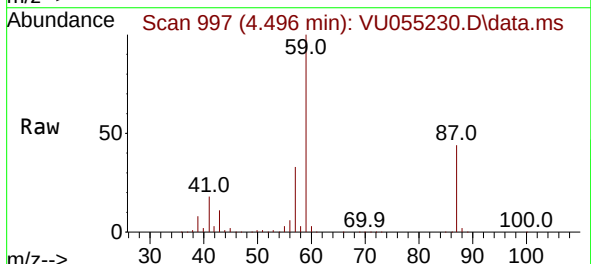
Tgt Ion: 45 Resp: 950192
Ion Ratio Lower Upper
45 100
43 51.9 27.5 82.5

Manual Integrations
APPROVED

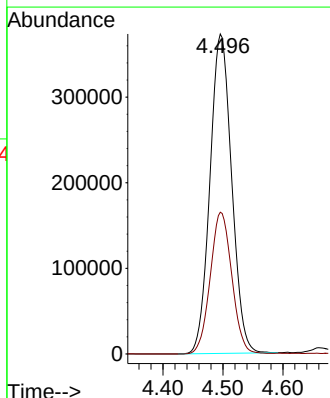
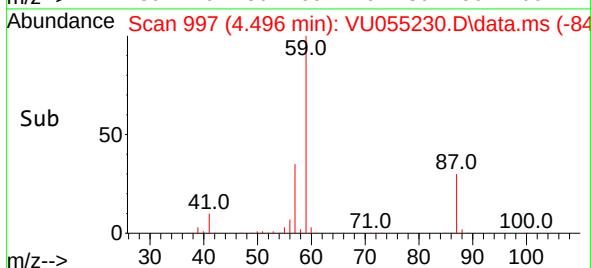
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

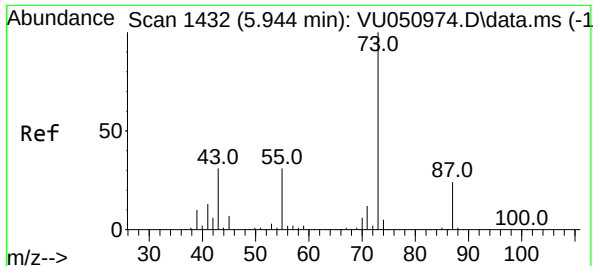


#32
Ethyl-t-butyl ether
Concen: 20.526 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.011 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion: 59 Resp: 935722
Ion Ratio Lower Upper
59 100
87 43.9 33.5 50.3





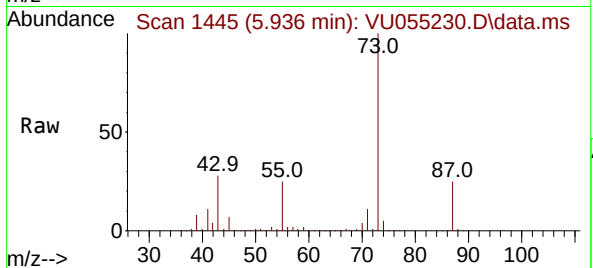
#33
Tert-Amyl methyl ether
Concen: 20.525 ug/l
RT: 5.936 min Scan# 1432
Delta R.T. -0.008 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020



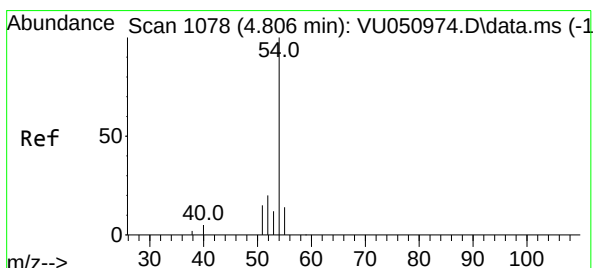
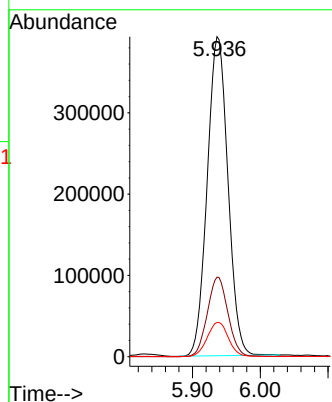
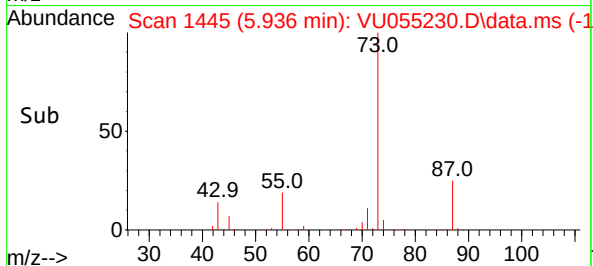
Tgt Ion: 73 Resp: 831994
Ion Ratio Lower Upper
73 100
87 24.8 18.6 28.0
71 11.0 9.9 14.9

Manual Integrations

APPROVED

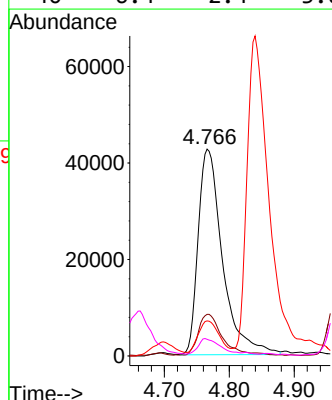
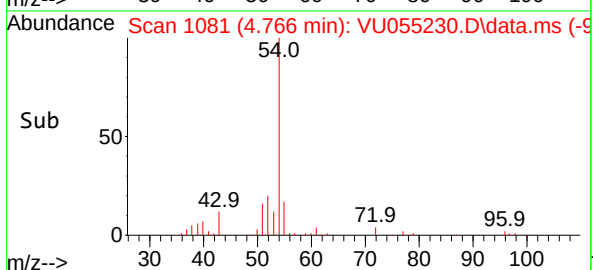
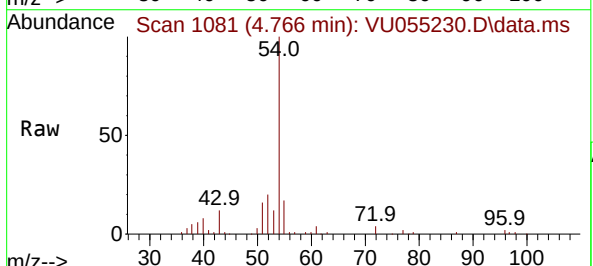
Reviewed By :John Carlone 09/12/2023

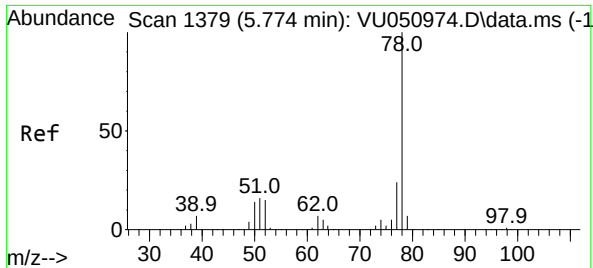
Supervised By :Mahesh Dadoda 09/12/2023



#34
Propionitrile
Concen: 99.830 ug/l
RT: 4.766 min Scan# 1081
Delta R.T. -0.040 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion: 54 Resp: 111631
Ion Ratio Lower Upper
54 100
52 18.8 17.4 26.0
55 14.2 104.1 156.1#
40 6.4 2.4 3.6#





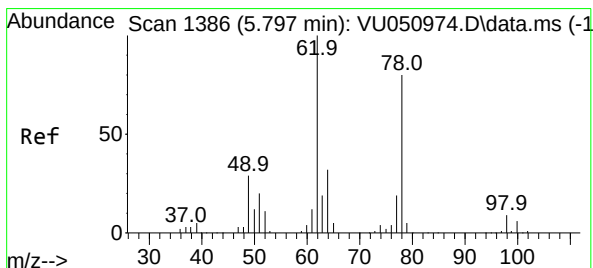
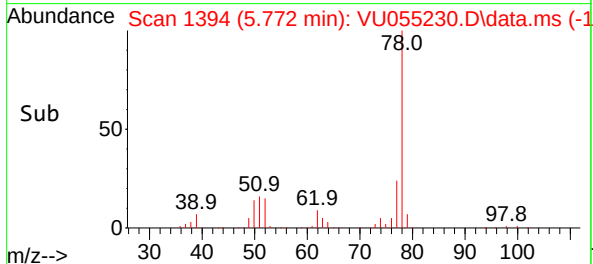
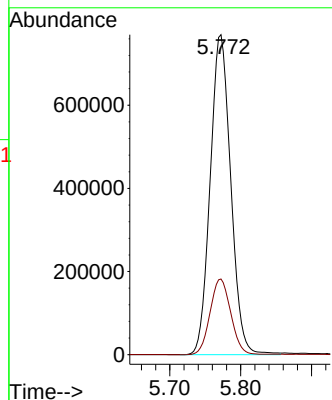
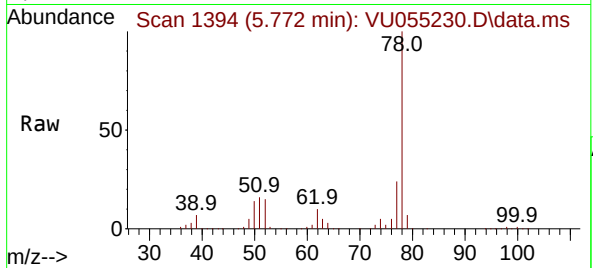
#35
Benzene
Concen: 21.214 ug/l
RT: 5.772 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion: 78 Resp: 155028
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

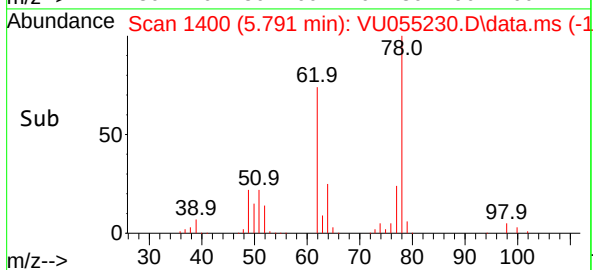
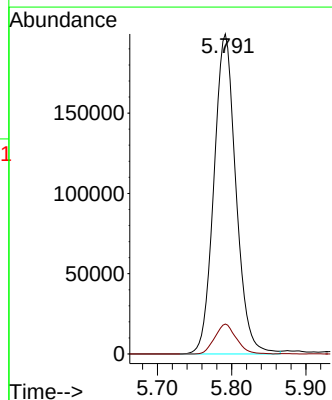
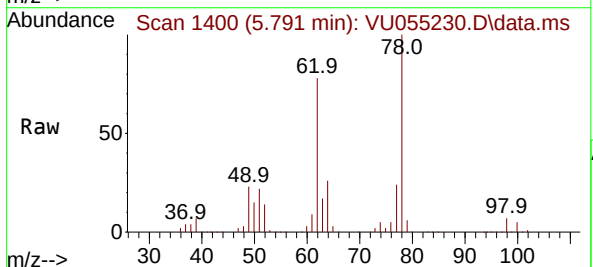
Manual Integrations
APPROVED

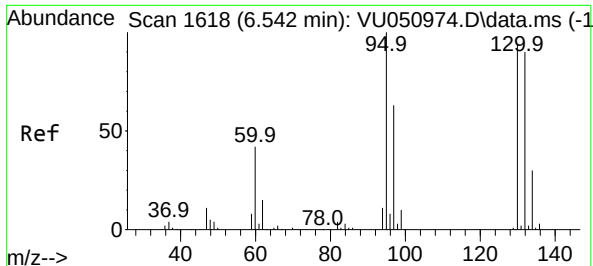
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 19.570 ug/l
RT: 5.791 min Scan# 1400
Delta R.T. -0.006 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion: 62 Resp: 410833
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#37

Trichloroethene

Concen: 23.544 ug/l

RT: 6.541 min Scan# 1

Delta R.T. -0.001 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion:130 Resp: 43272

Ion Ratio Lower Upper

130 100

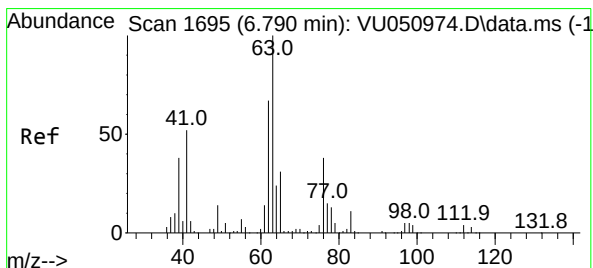
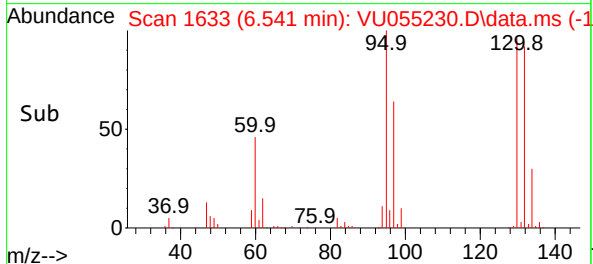
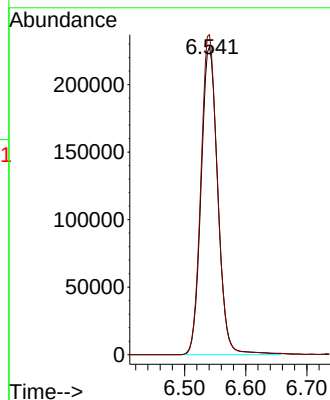
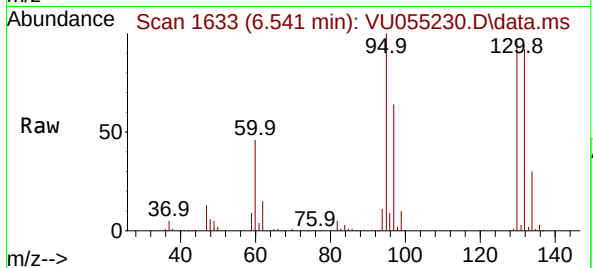
95 103.9 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

1,2-Dichloropropane

Concen: 21.450 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. -0.002 min

Lab File: VU055230.D

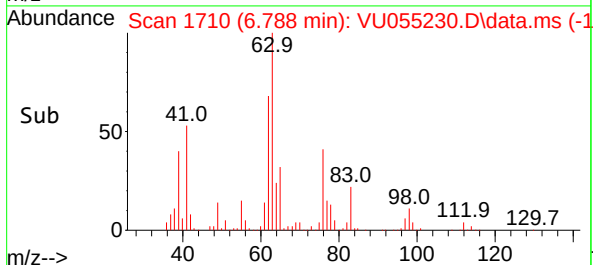
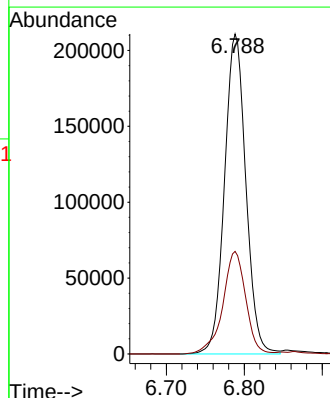
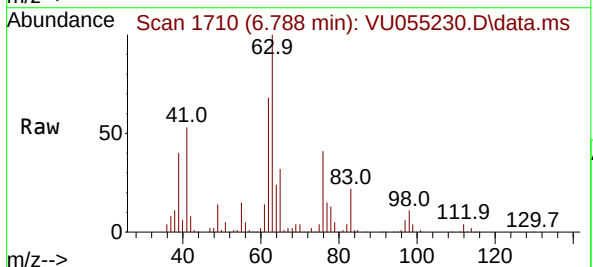
Acq: 11 Sep 2023 11:28

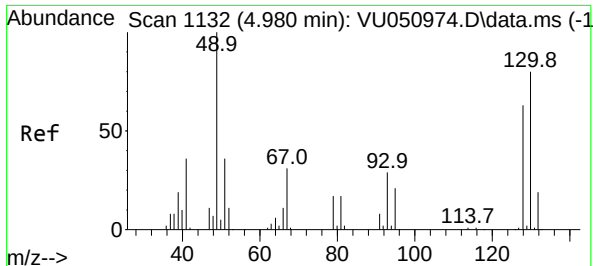
Tgt Ion: 63 Resp: 401664

Ion Ratio Lower Upper

63 100

65 32.0 24.9 37.3





#39

Methacrylonitrile

Concen: 19.463 ug/l

RT: 4.968 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 41 Resp: 88828

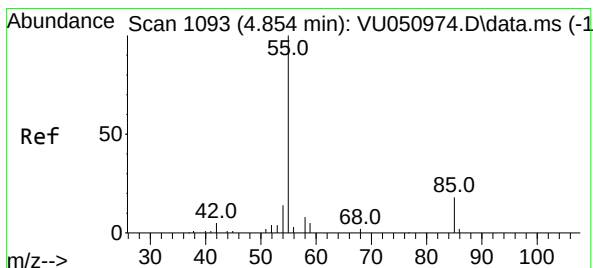
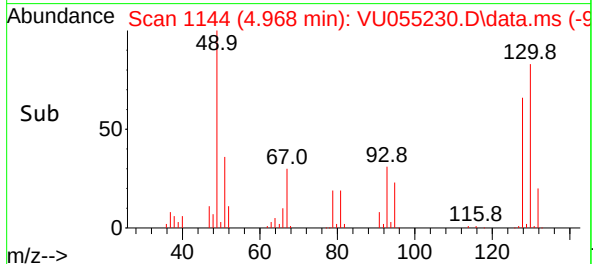
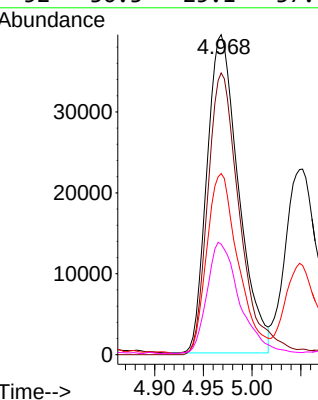
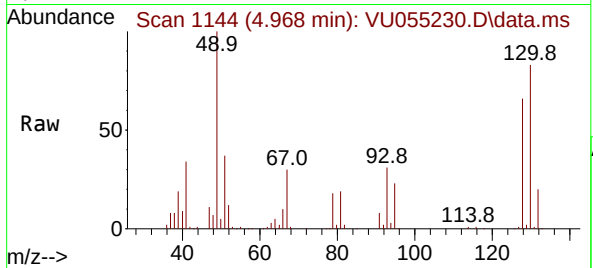
Ion	Ratio	Lower	Upper
41	100		
67	90.0	66.8	100.2
39	56.3	41.2	61.8
52	36.3	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Methyl acrylate

Concen: 18.829 ug/l

RT: 4.840 min Scan# 1104

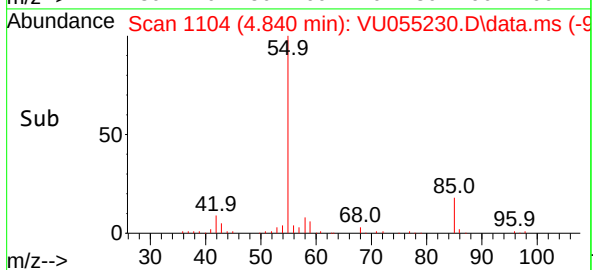
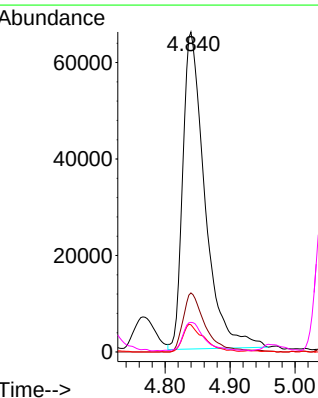
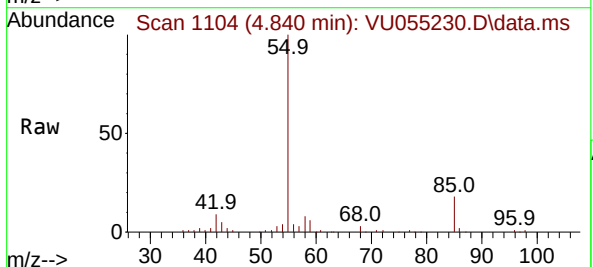
Delta R.T. -0.014 min

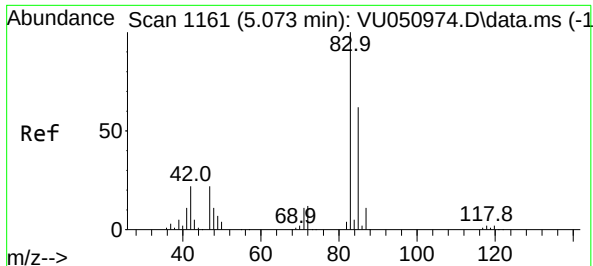
Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Tgt Ion: 55 Resp: 155813

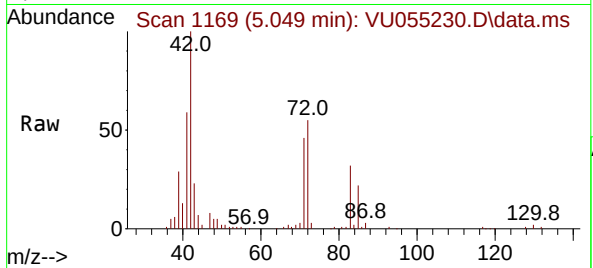
Ion	Ratio	Lower	Upper
55	100		
85	18.8	13.3	19.9
58	8.3	6.5	9.7
42	8.6	5.9	8.9





#41
Tetrahydrofuran
Concen: 37.165 ug/l
RT: 5.049 min Scan# 1161
Delta R.T. -0.024 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

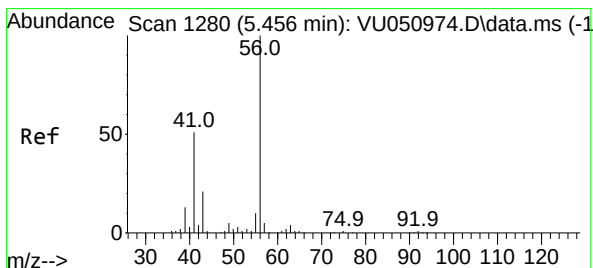
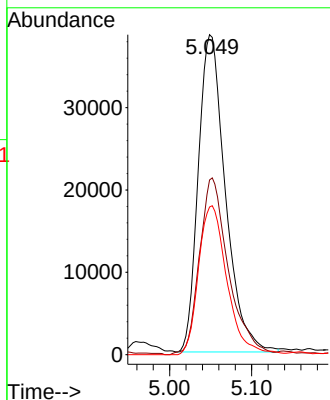
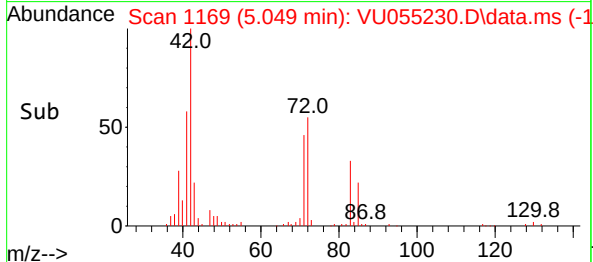
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



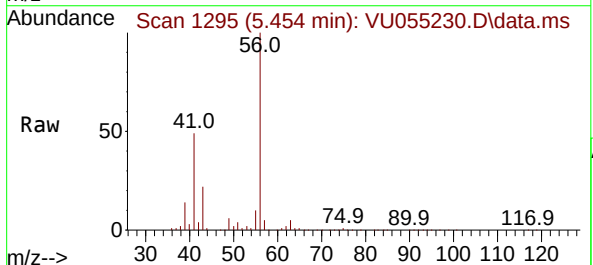
Tgt Ion: 42 Resp: 88564
Ion Ratio Lower Upper
42 100
72 59.3 40.9 61.3
71 49.2 36.9 55.3

Manual Integrations
APPROVED

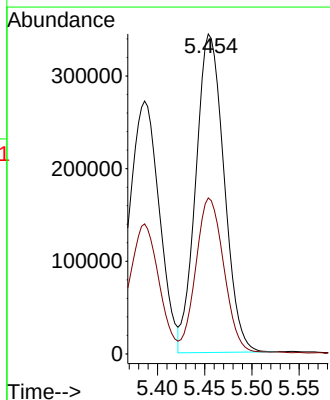
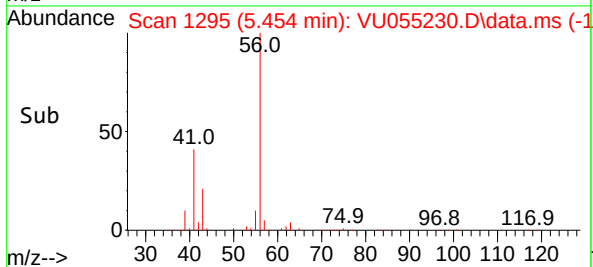
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

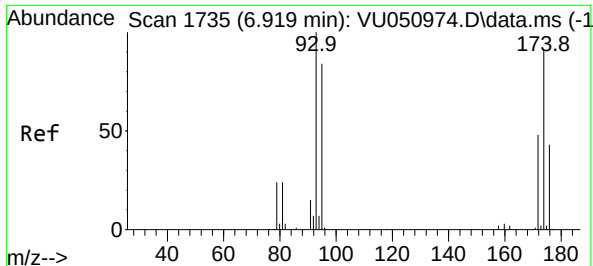


#42
1-Chlorobutane
Concen: 21.446 ug/l
RT: 5.454 min Scan# 1295
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion: 56 Resp: 712618
Ion Ratio Lower Upper
56 100
41 48.2 25.2 75.6





#43

Dibromomethane

Concen: 21.003 ug/l

RT: 6.917 min Scan# 11

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 93 Resp: 18737

Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

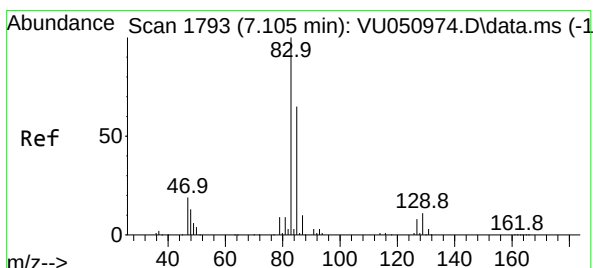
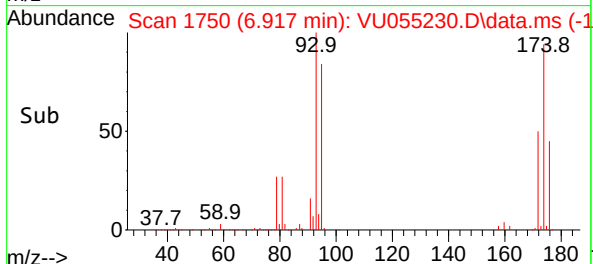
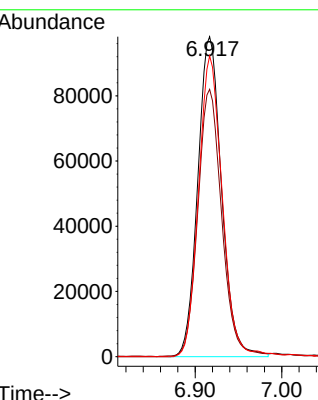
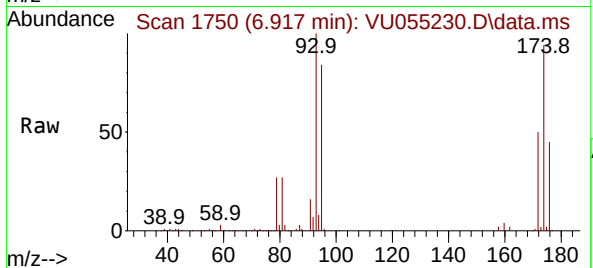
174 93.7 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Bromodichloromethane

Concen: 22.764 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

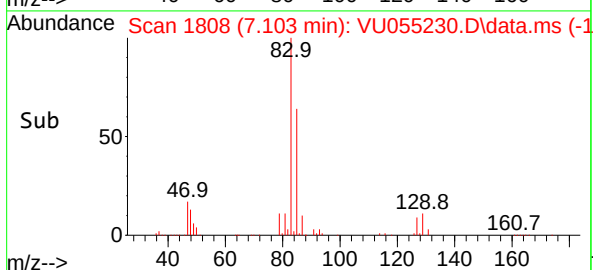
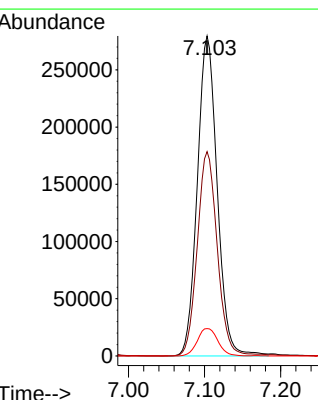
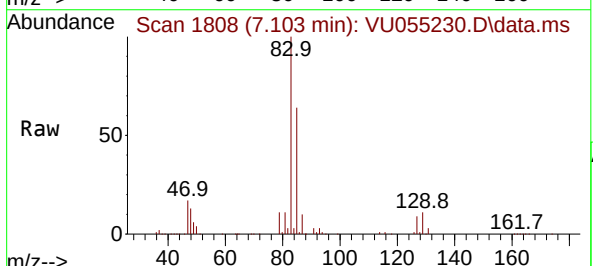
Tgt Ion: 83 Resp: 507813

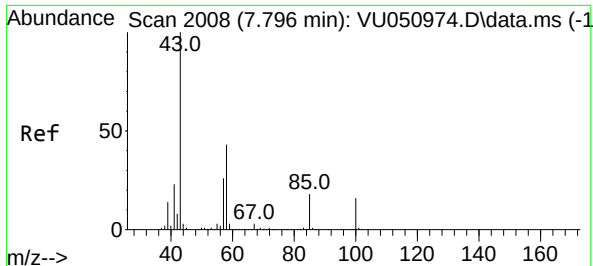
Ion Ratio Lower Upper

83 100

85 63.8 51.9 77.9

127 8.6 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 100.787 ug/l

RT: 7.788 min Scan# 2008

Delta R.T. -0.008 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

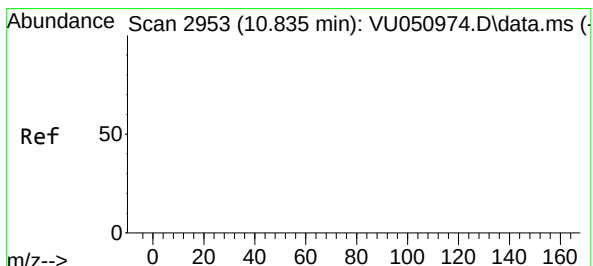
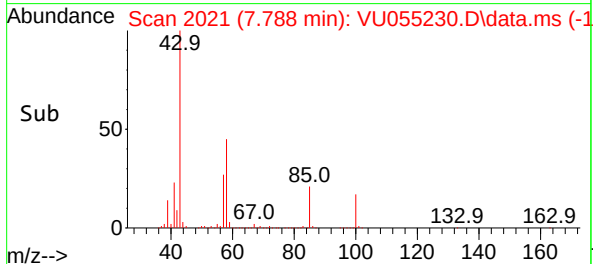
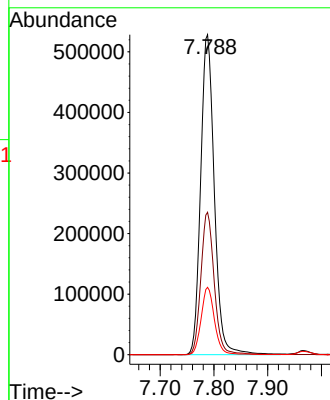
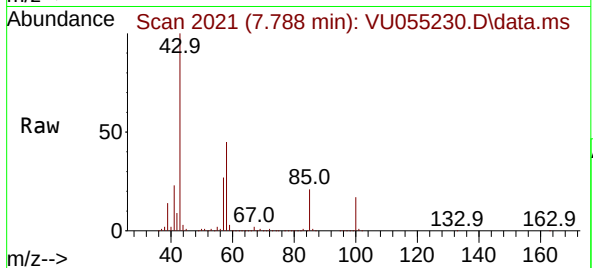
Tgt Ion:	43	Resp:	932654
Ion	Ratio	Lower	Upper
43	100		
58	43.6	20.9	62.8
85	20.5	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

t-1,4-Dichloro-2-butene

Concen: 26.271 ug/l m

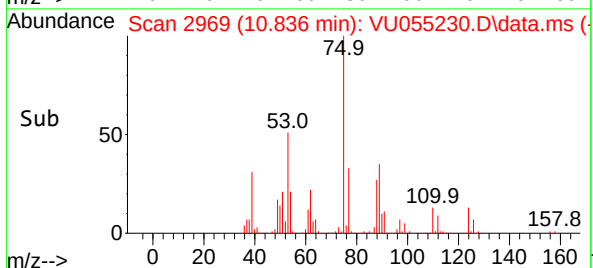
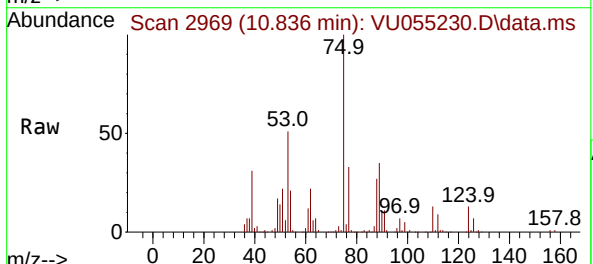
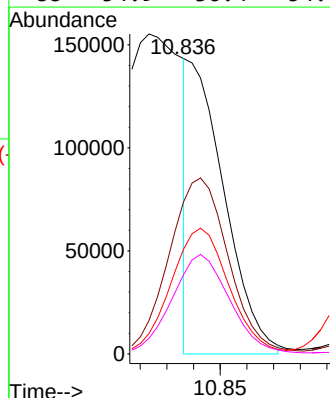
RT: 10.836 min Scan# 2969

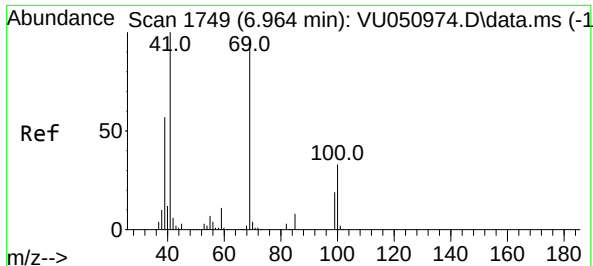
Delta R.T. 0.001 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Tgt Ion:	75	Resp:	133277
Ion	Ratio	Lower	Upper
75	100		
53	100.2	73.3	109.9
89	70.1	48.2	72.4
88	54.9	36.4	54.6





#47

Methyl methacrylate

Concen: 40.167 ug/l

RT: 6.959 min Scan# 1

Delta R.T. -0.005 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 69 Resp: 329454

Ion Ratio Lower Upper

69 100

41 99.5 0.0 209.2

39 59.1 46.7 70.1

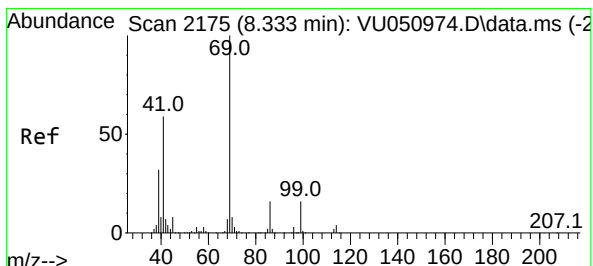
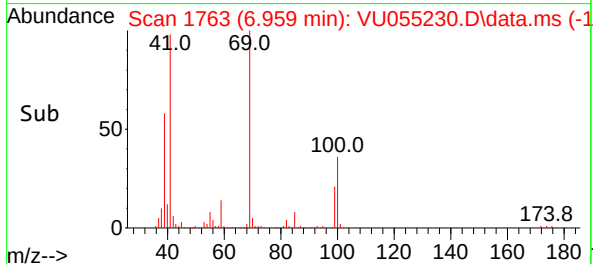
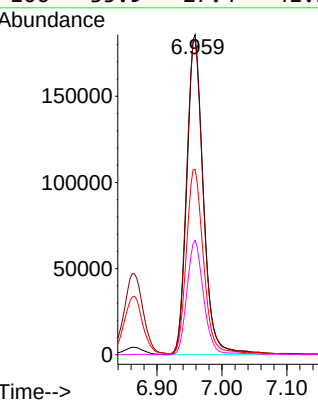
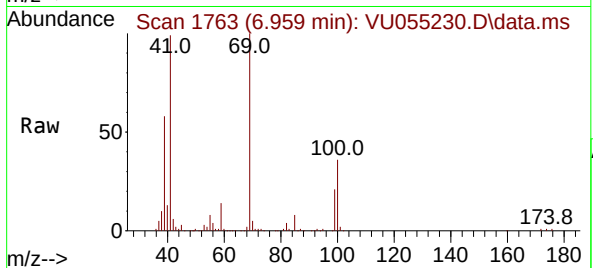
100 35.9 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Ethyl methacrylate

Concen: 20.684 ug/l

RT: 8.331 min Scan# 2190

Delta R.T. -0.002 min

Lab File: VU055230.D

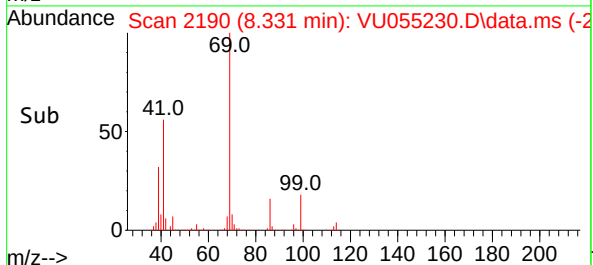
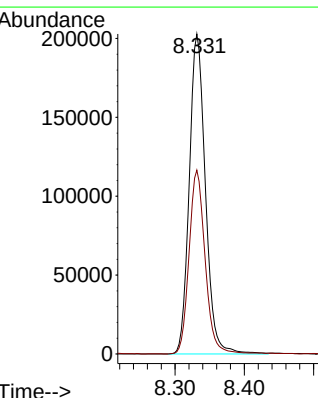
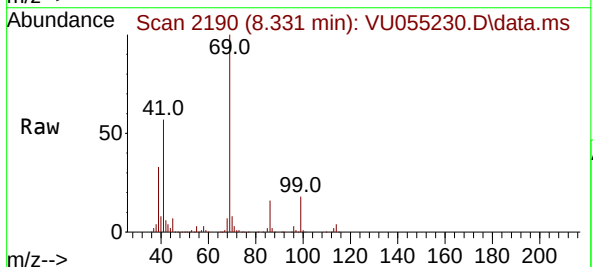
Acq: 11 Sep 2023 11:28

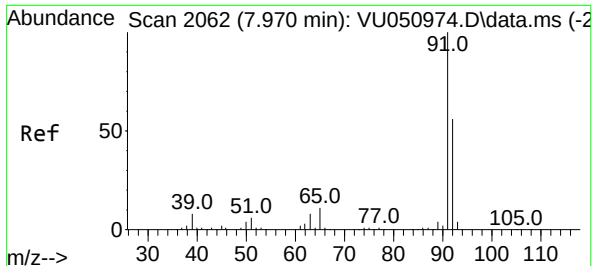
Tgt Ion: 69 Resp: 329022

Ion Ratio Lower Upper

69 100

41 57.3 30.3 90.8





#49

Toluene

Concen: 22.245 ug/l

RT: 7.968 min Scan# 2062

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 92 Resp: 996374

Ion Ratio Lower Upper

92 100

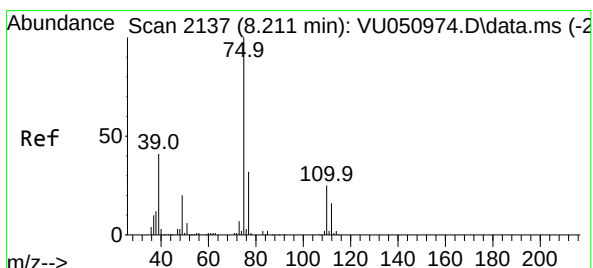
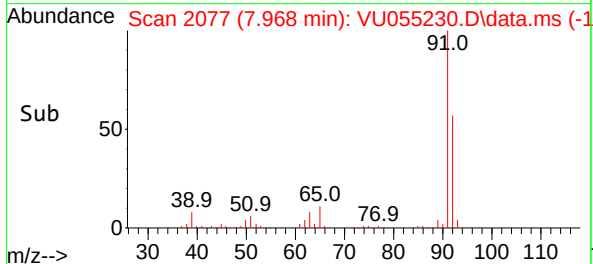
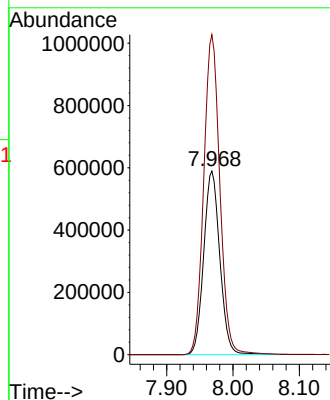
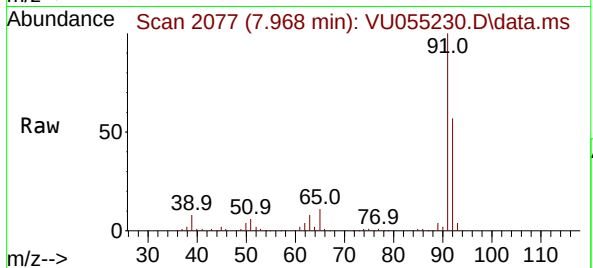
91 174.7 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

t-1,3-Dichloropropene

Concen: 22.265 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. -0.002 min

Lab File: VU055230.D

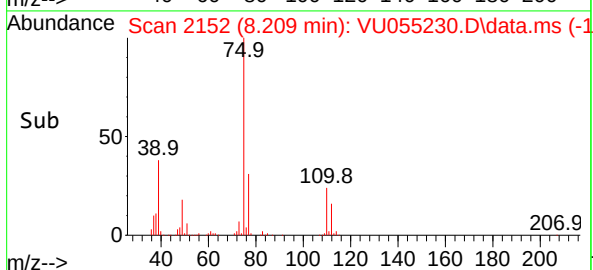
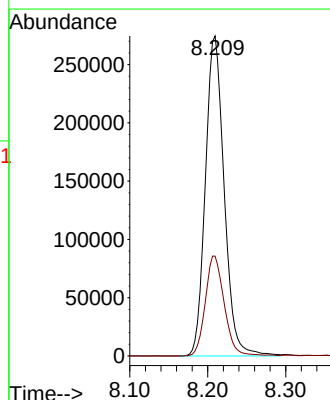
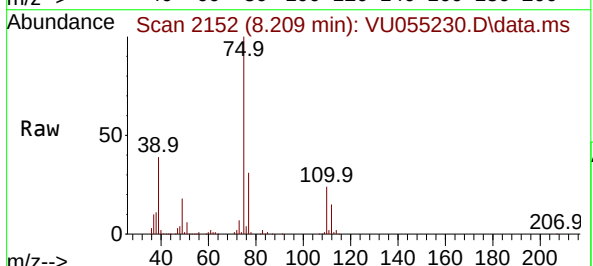
Acq: 11 Sep 2023 11:28

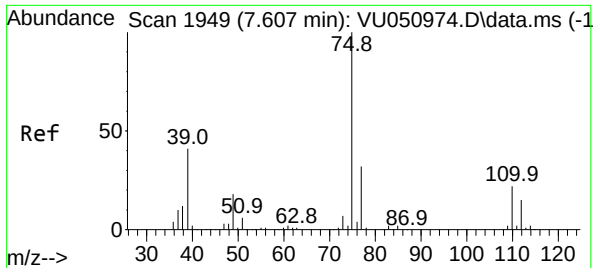
Tgt Ion: 75 Resp: 460061

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9





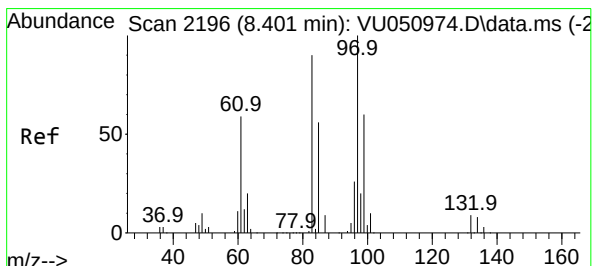
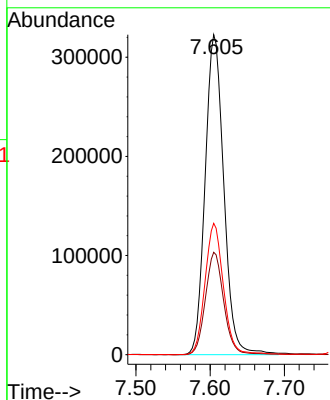
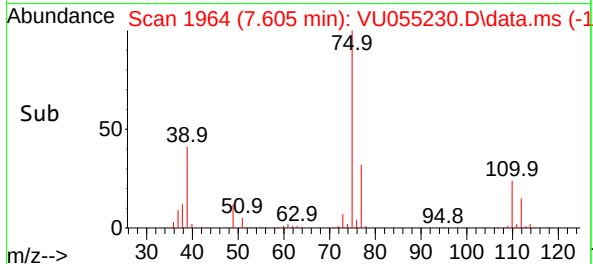
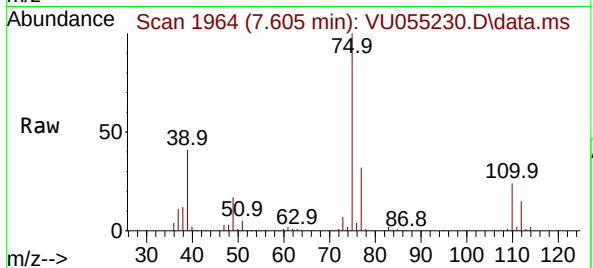
#51
 cis-1,3-Dichloropropene
 Concen: 21.998 ug/l
 RT: 7.605 min Scan# 1949
 Delta R.T. -0.002 min
 Lab File: VU055230.D
 Acq: 11 Sep 2023 11:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 75 Resp: 562929
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5
 39 41.0 32.8 49.2

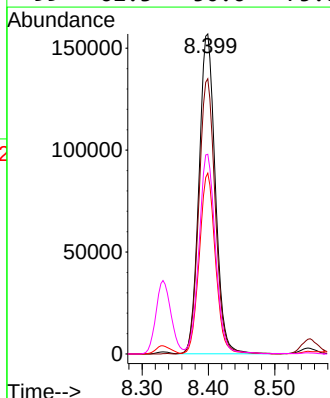
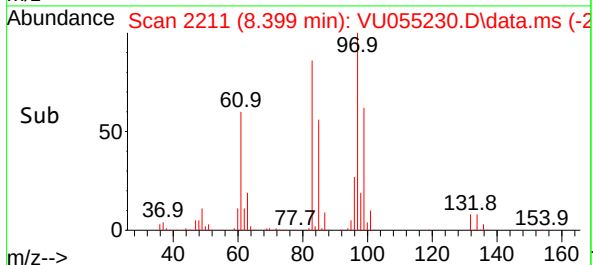
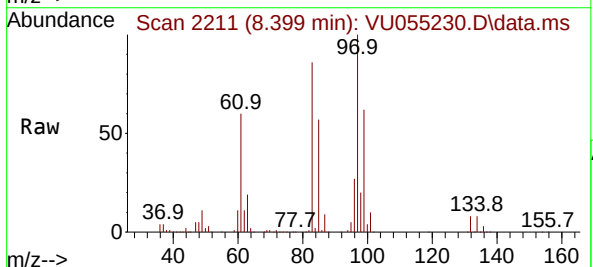
Manual Integrations
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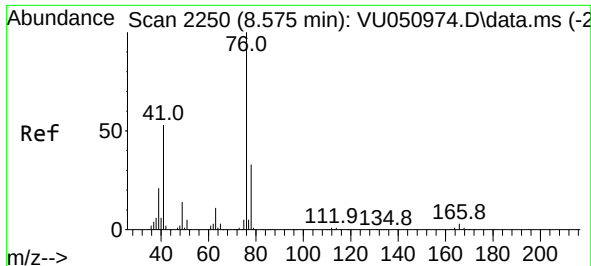
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#52
 1,1,2-Trichloroethane
 Concen: 20.730 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. -0.002 min
 Lab File: VU055230.D
 Acq: 11 Sep 2023 11:28

Tgt Ion: 97 Resp: 268157
 Ion Ratio Lower Upper
 97 100
 83 86.0 71.8 107.8
 85 56.5 45.2 67.8
 99 62.3 50.6 75.8





#53

1,3-Dichloropropane

Concen: 20.612 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 459939

Ion Ratio Lower Upper

76 100

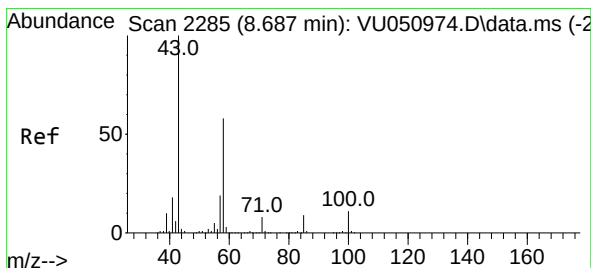
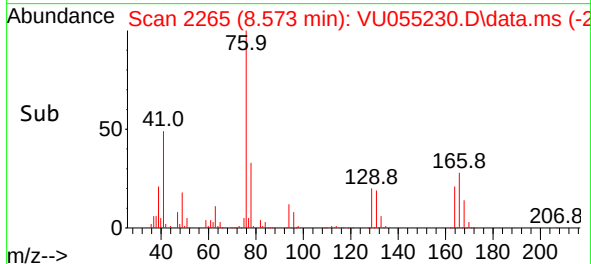
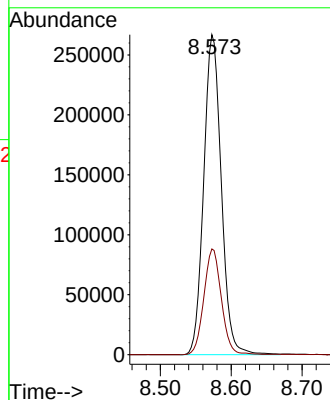
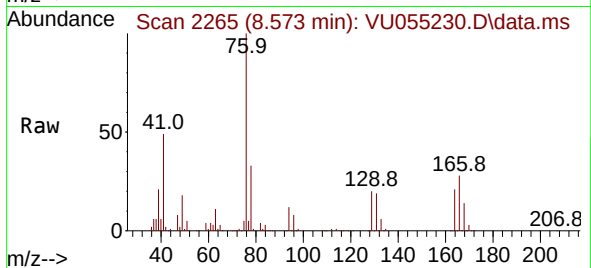
78 32.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

2-Hexanone

Concen: 85.363 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. -0.005 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

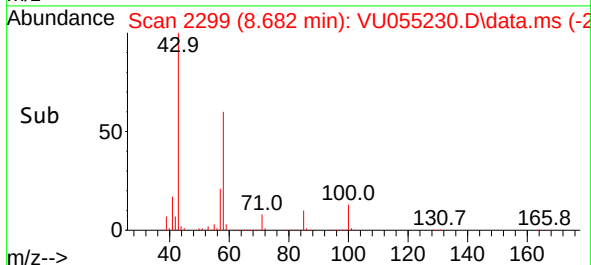
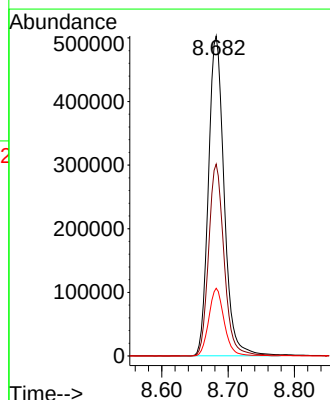
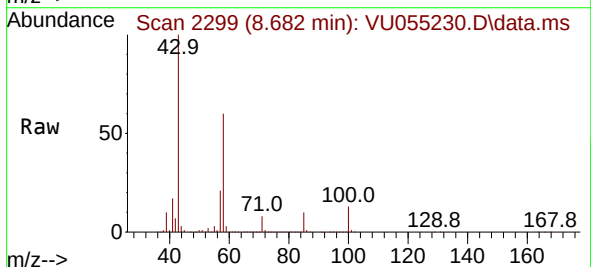
Tgt Ion: 43 Resp: 828759

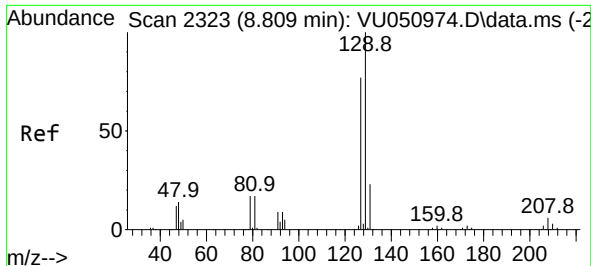
Ion Ratio Lower Upper

43 100

58 59.6 38.2 78.2

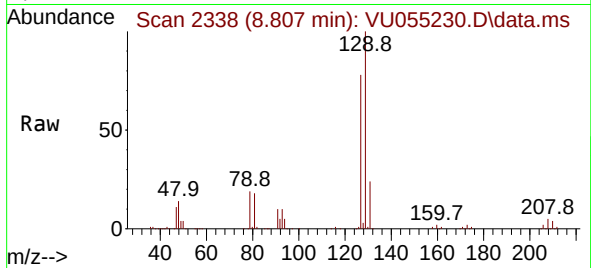
57 20.9 0.0 39.1





#55
Dibromochloromethane
Concen: 24.782 ug/l
RT: 8.807 min Scan# 2338
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

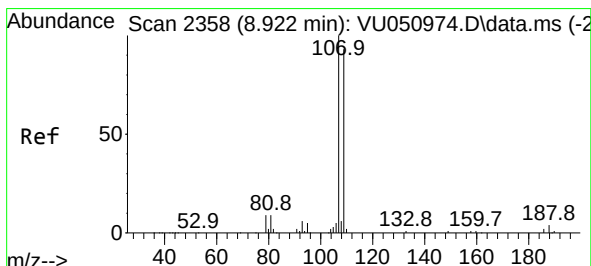
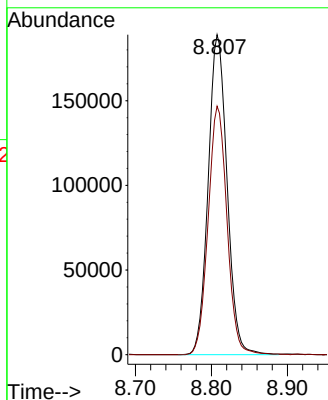
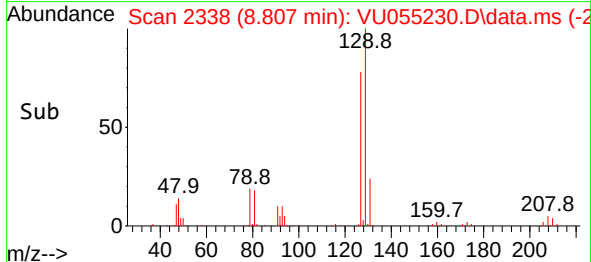
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



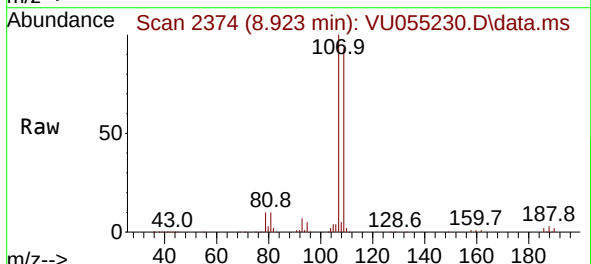
Tgt Ion:129 Resp: 326339
Ion Ratio Lower Upper
129 100
127 77.6 61.4 92.0

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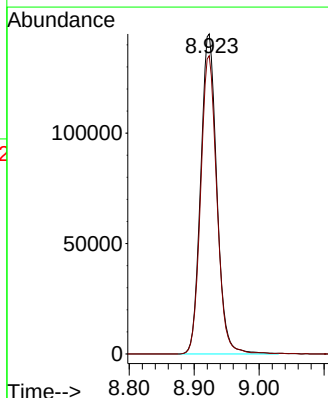
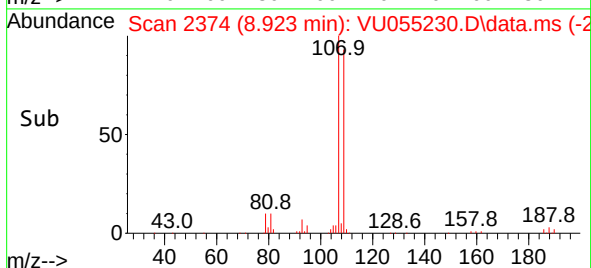
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

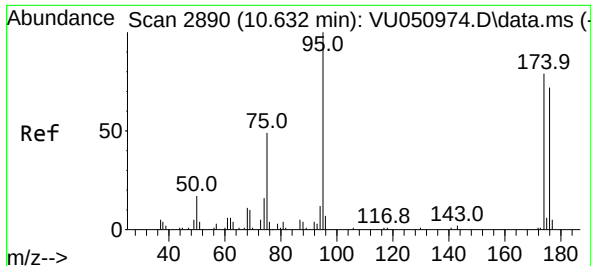


#56
1,2-Dibromoethane
Concen: 21.093 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



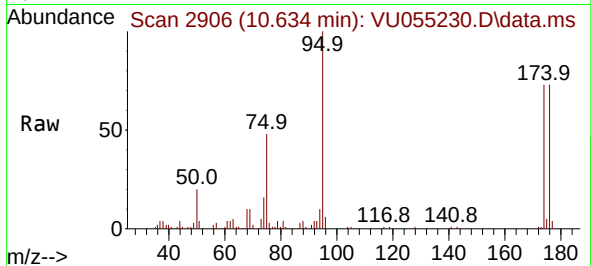
Tgt Ion:107 Resp: 251391
Ion Ratio Lower Upper
107 100
109 93.6 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 1.093 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

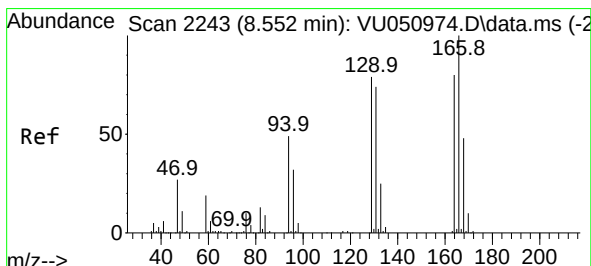
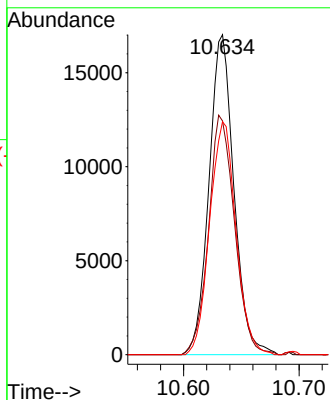
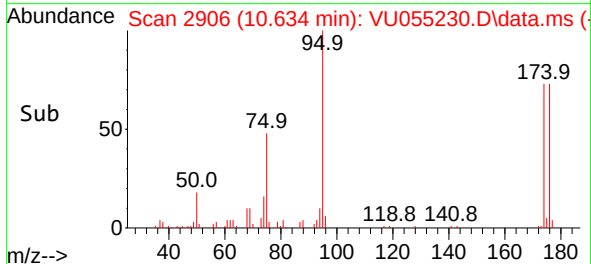
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



Tgt Ion: 95 Resp: 2554
Ion Ratio Lower Upper
95 100
174 78.1 63.3 94.9
176 76.8 59.3 88.9

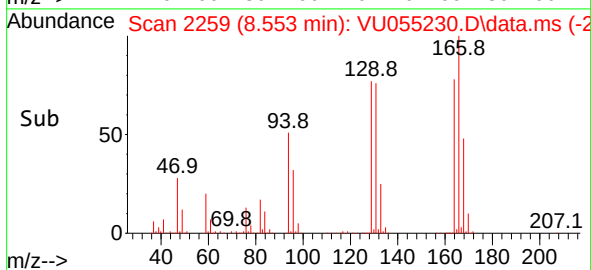
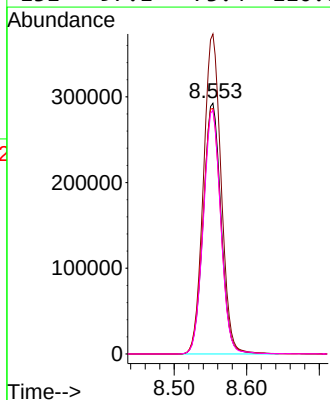
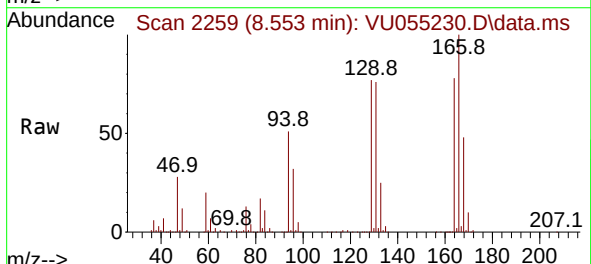
Manual Integrations
APPROVED

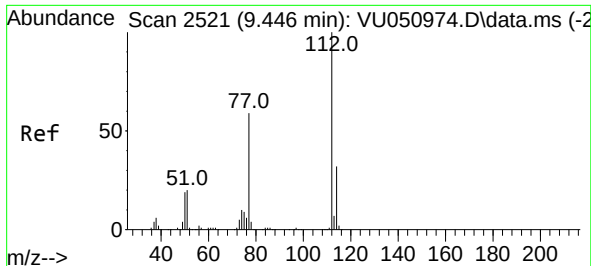
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#58
Tetrachloroethene
Concen: 28.859 ug/l
RT: 8.553 min Scan# 2259
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:164 Resp: 496022
Ion Ratio Lower Upper
164 100
166 127.6 99.6 149.4
129 97.9 78.6 117.8
131 97.1 73.4 110.0





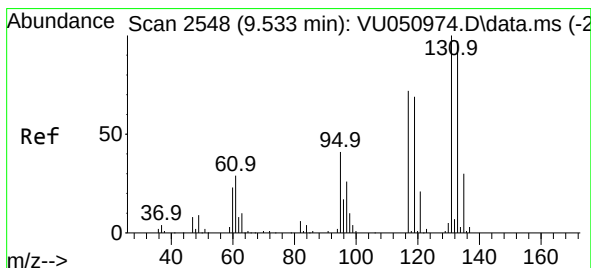
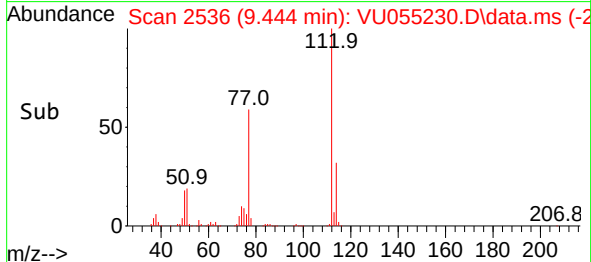
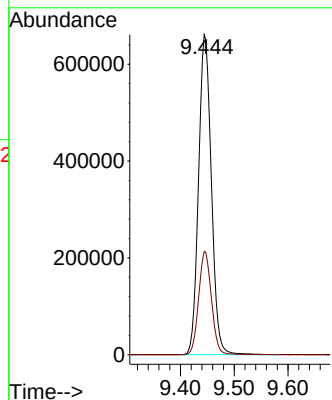
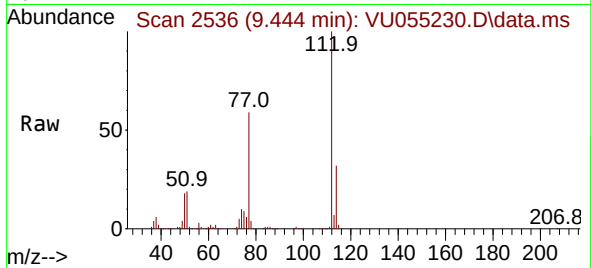
#59
Chlorobenzene
Concen: 22.178 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 109370
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

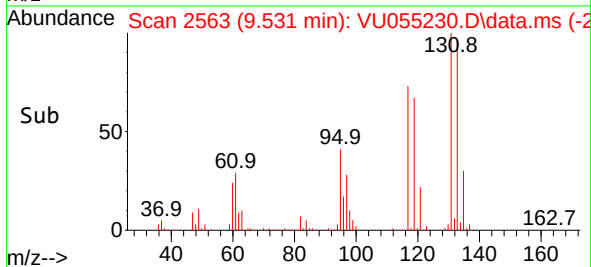
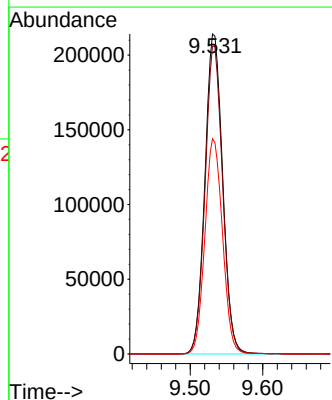
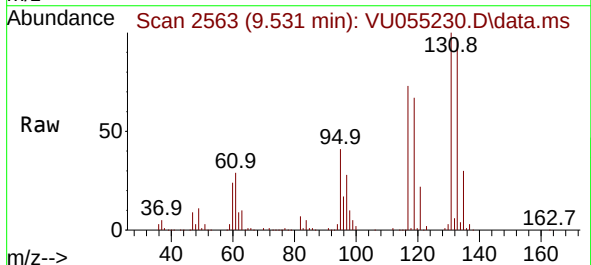
Manual Integrations
APPROVED

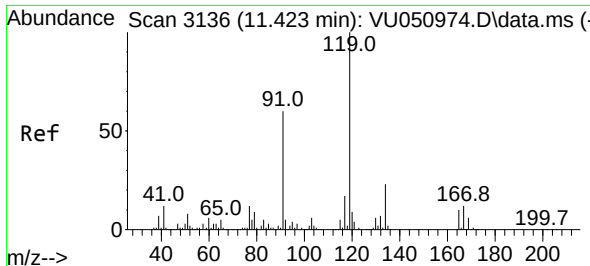
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 24.314 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:131 Resp: 364432
Ion Ratio Lower Upper
131 100
133 95.2 77.8 116.6
119 66.8 55.2 82.8





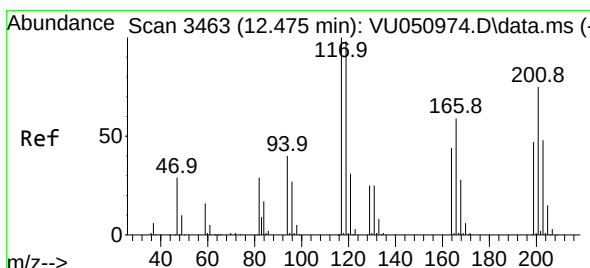
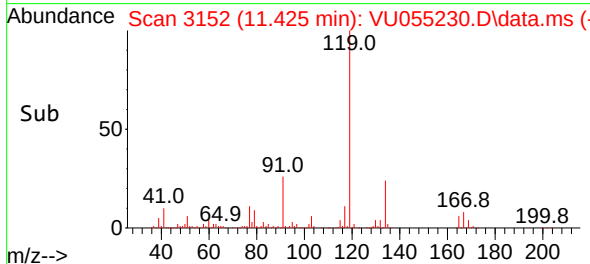
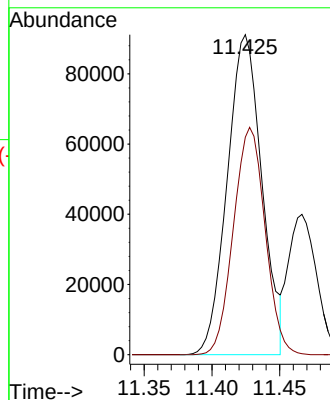
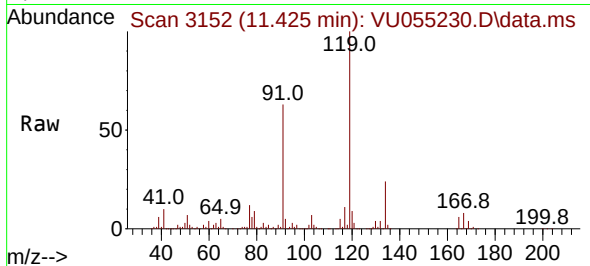
#61
Pentachloroethane
Concen: 15.380 ug/l
RT: 11.425 min Scan# 3136
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 161968
Ion Ratio Lower Upper
117 100
167 65.0 56.7 85.1

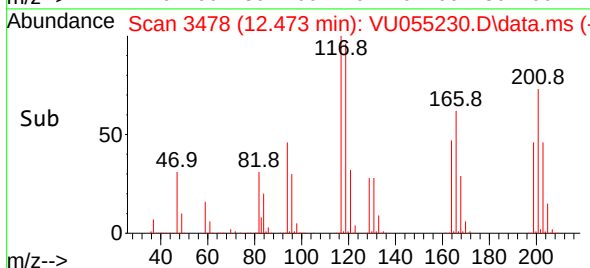
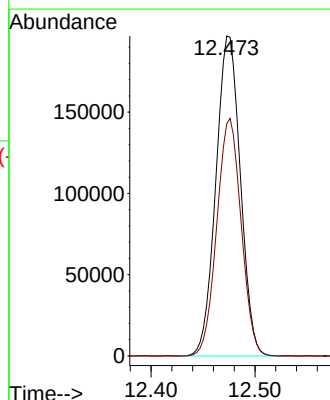
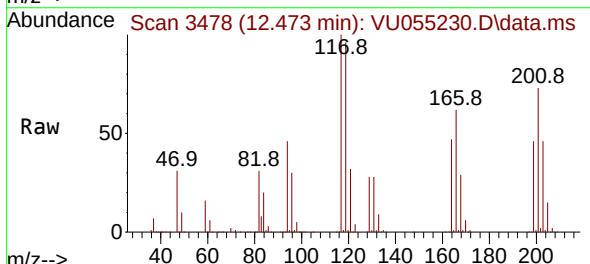
Manual Integrations
APPROVED

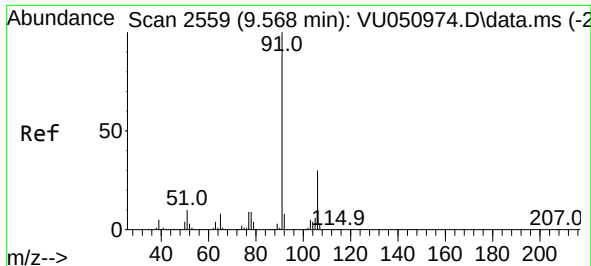
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
Hexachloroethane
Concen: 26.646 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:117 Resp: 322756
Ion Ratio Lower Upper
117 100
201 73.8 59.6 89.4





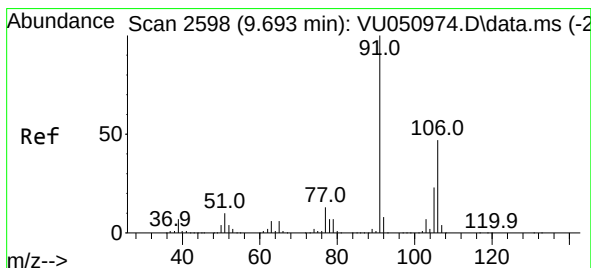
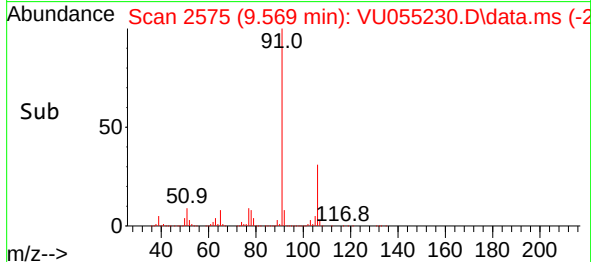
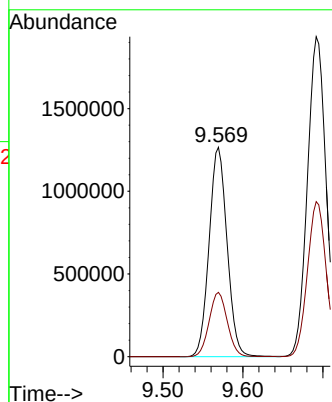
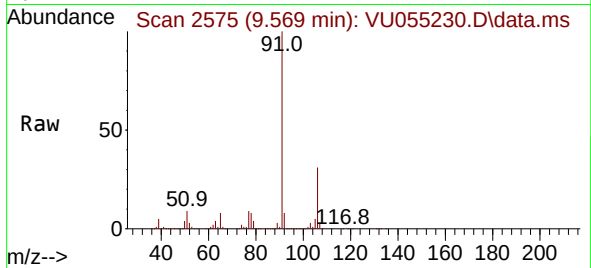
#63
Ethyl Benzene
Concen: 22.881 ug/l
RT: 9.569 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 197884
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

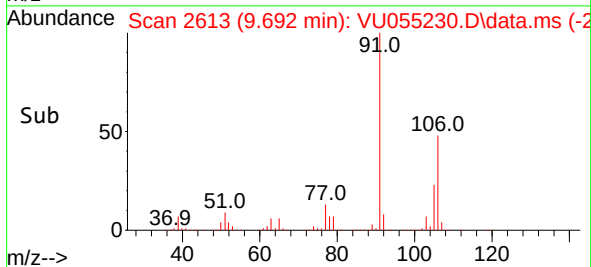
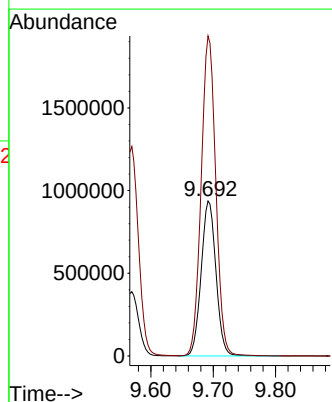
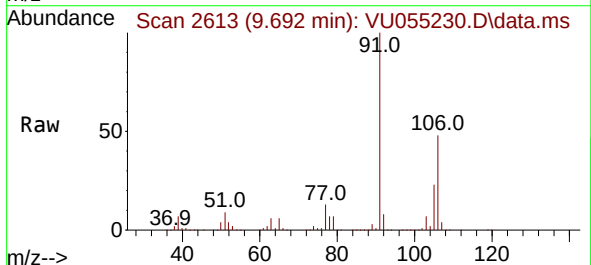
Manual Integrations
APPROVED

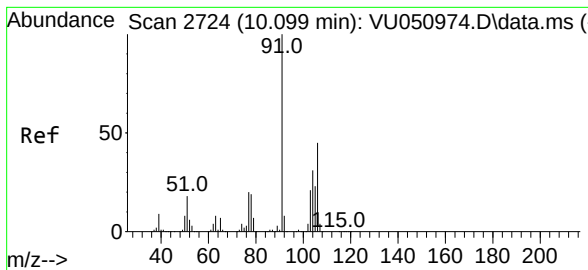
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
m/p-Xylenes
Concen: 46.542 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:106 Resp: 1538929
Ion Ratio Lower Upper
106 100
91 205.0 167.3 250.9





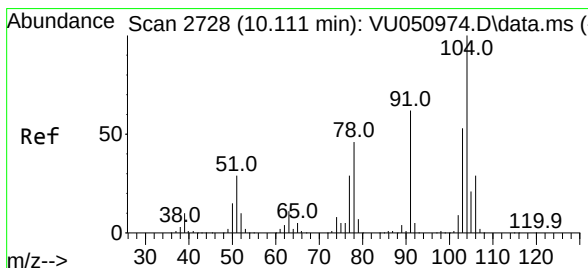
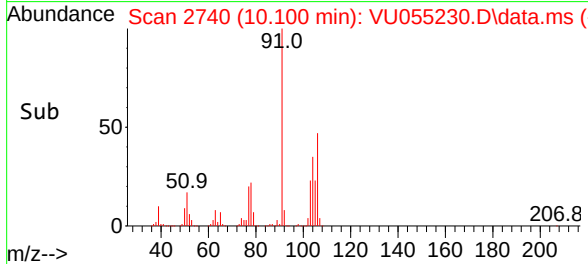
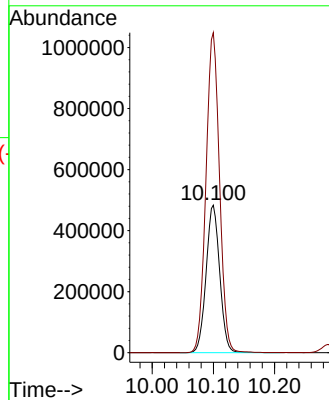
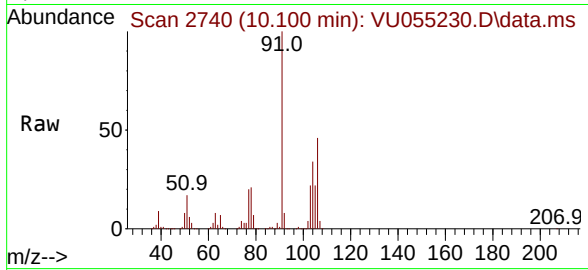
#65
o-Xylene
Concen: 23.108 ug/l
RT: 10.100 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 747754
Ion Ratio Lower Upper
106 100
91 216.1 109.3 327.9

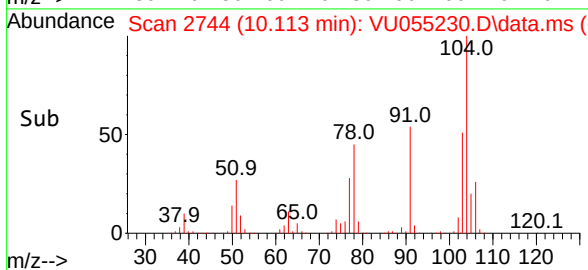
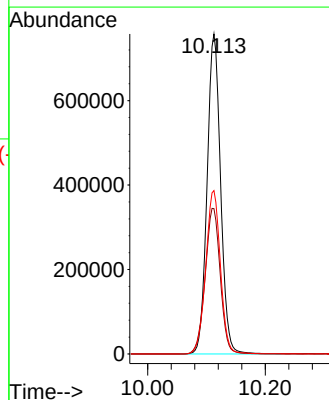
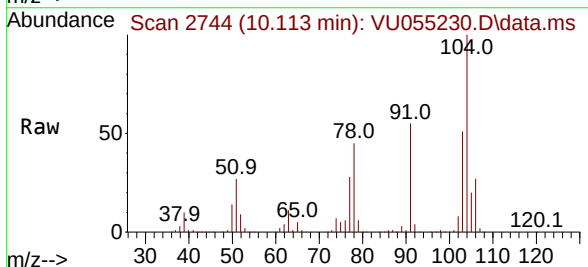
Manual Integrations
APPROVED

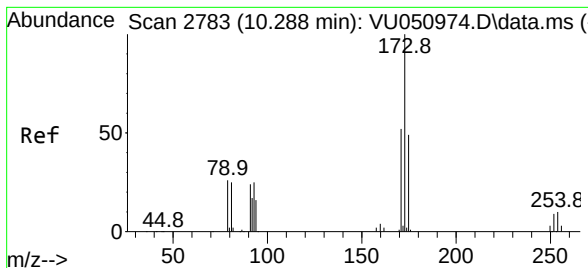
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Styrene
Concen: 24.239 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

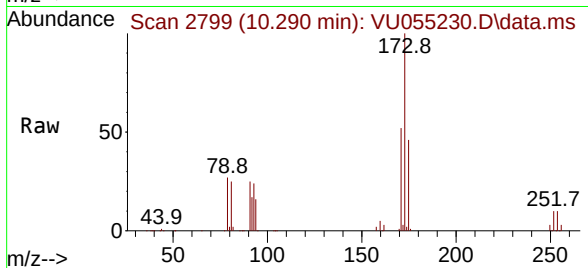
Tgt Ion:104 Resp: 1205887
Ion Ratio Lower Upper
104 100
78 50.8 39.7 59.5
103 55.5 44.8 67.2





#67
Bromoform
Concen: 28.165 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

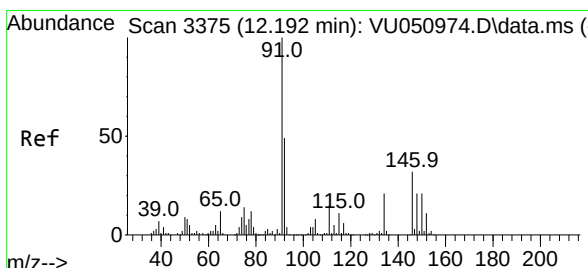
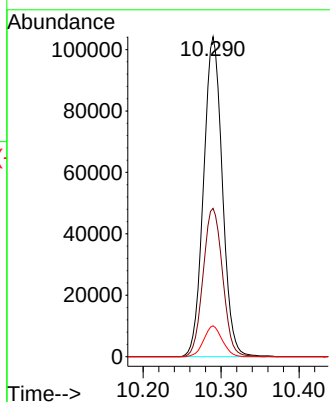
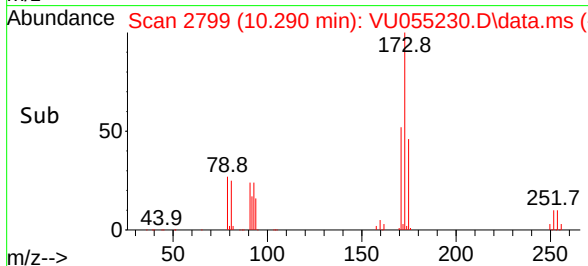
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



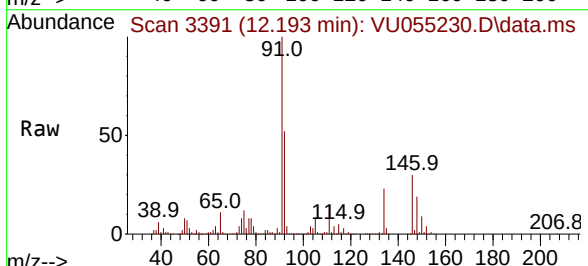
Tgt Ion:173 Resp: 174550
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.6
254 9.4 7.4 11.0

Manual Integrations
APPROVED

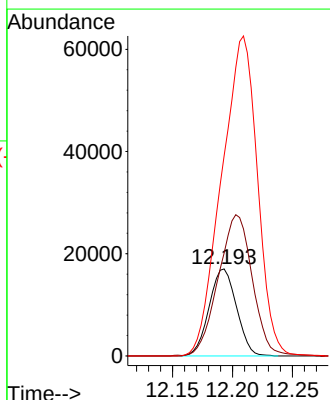
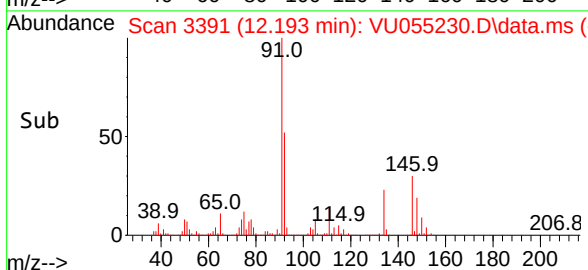
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

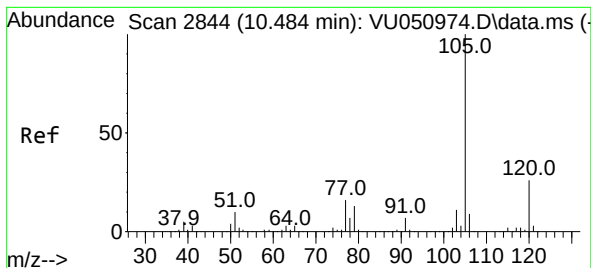


#68
1,2-Dichlorobenzene-d4
Concen: 1.156 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion:152 Resp: 27125
Ion Ratio Lower Upper
152 100
115 201.0 0.0 308.8
150 480.1 0.0 635.0





#69

Isopropylbenzene

Concen: 23.257 ug/l

RT: 10.483 min Scan# 21

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 197057

Ion Ratio Lower Upper

105 100

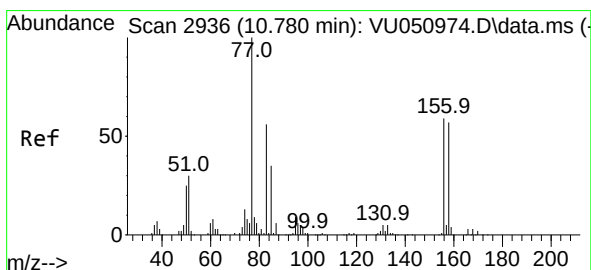
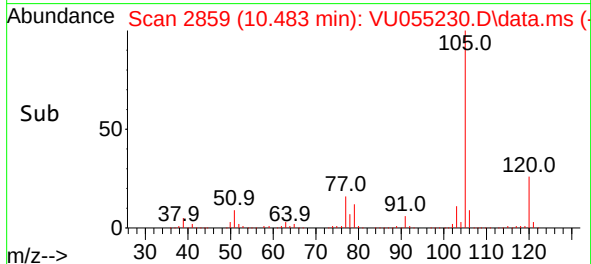
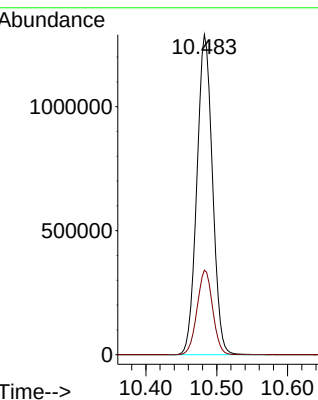
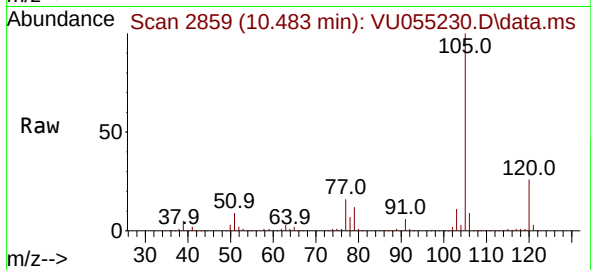
120 26.4 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 17.767 ug/l

RT: 10.782 min Scan# 2952

Delta R.T. 0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

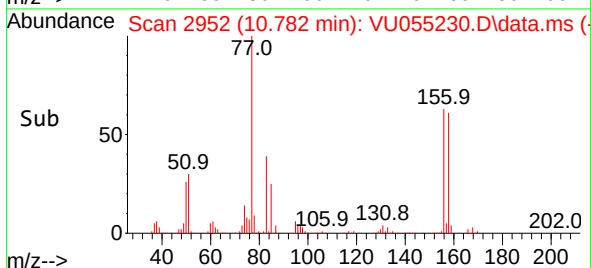
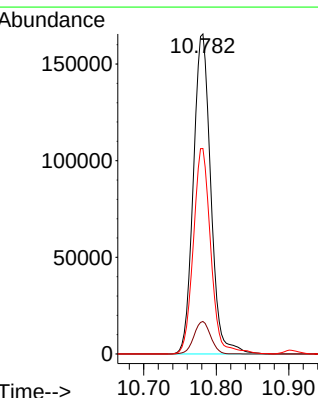
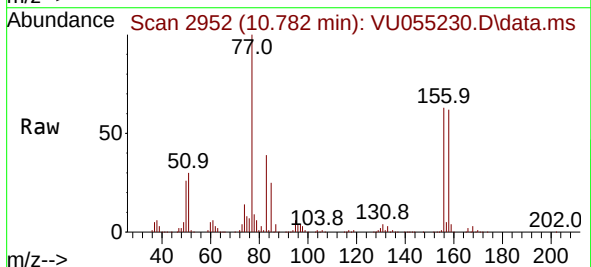
Tgt Ion: 83 Resp: 276661

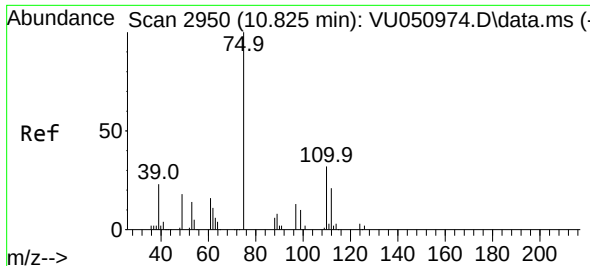
Ion Ratio Lower Upper

83 100

131 9.7 7.2 10.8

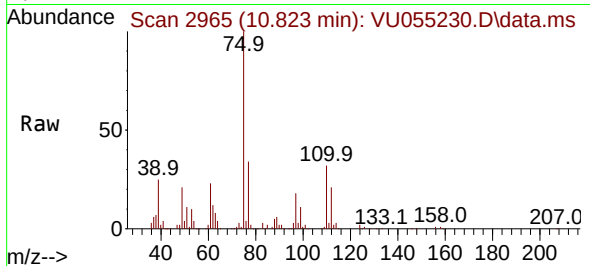
85 64.3 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 21.463 ug/l m
RT: 10.823 min Scan# 2950
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

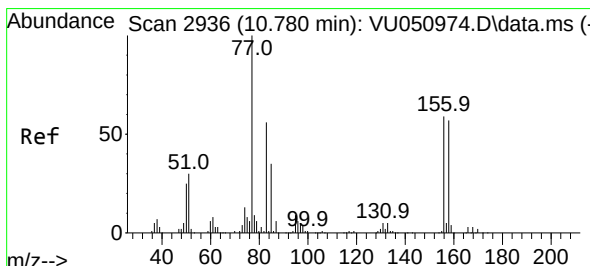
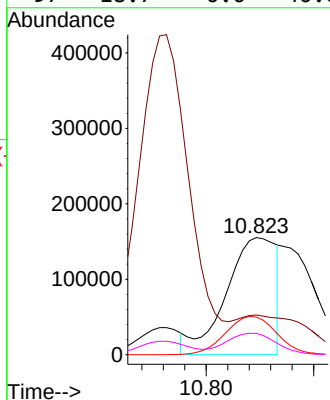
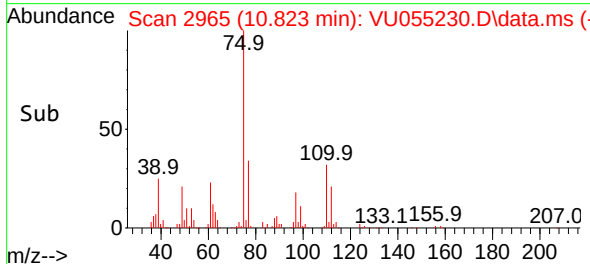
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 25235
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 33.4 0.0 74.6
97 18.7 0.0 40.0

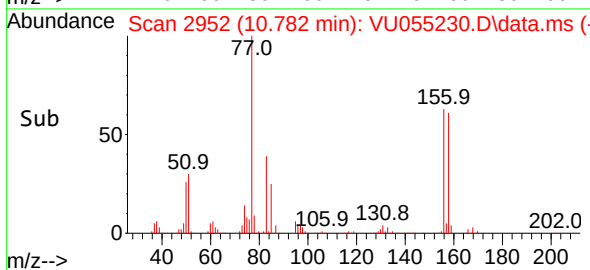
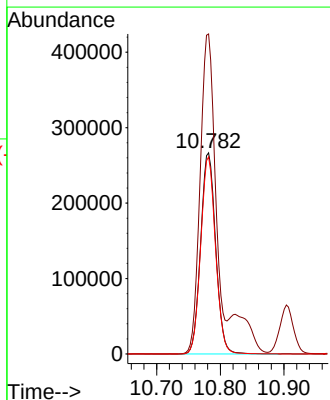
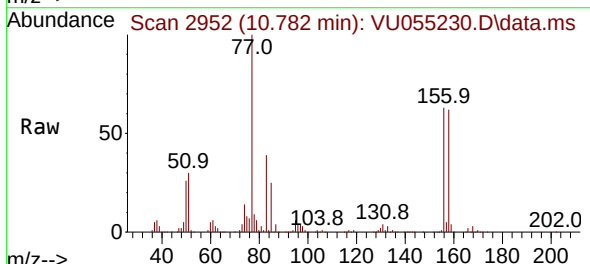
Manual Integrations
APPROVED

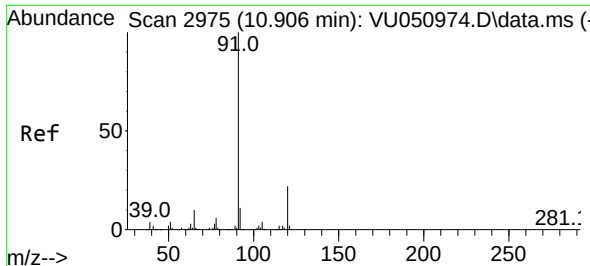
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#72
Bromobenzene
Concen: 24.665 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

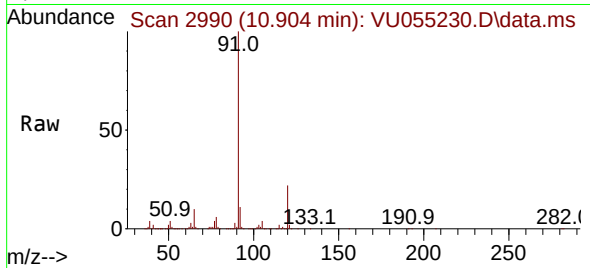
Tgt Ion:156 Resp: 437819
Ion Ratio Lower Upper
156 100
77 161.4 0.0 343.0
158 96.8 0.0 194.8





#73
n-propylbenzene
Concen: 24.713 ug/l
RT: 10.904 min Scan# 2975
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

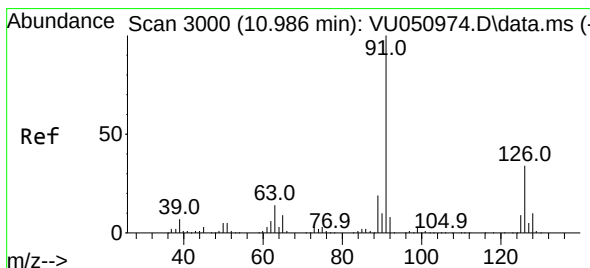
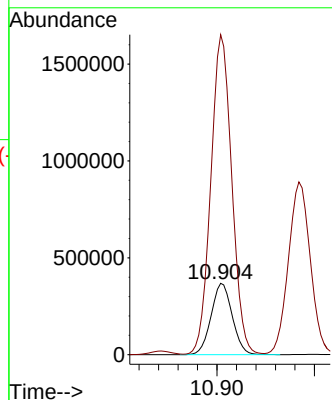
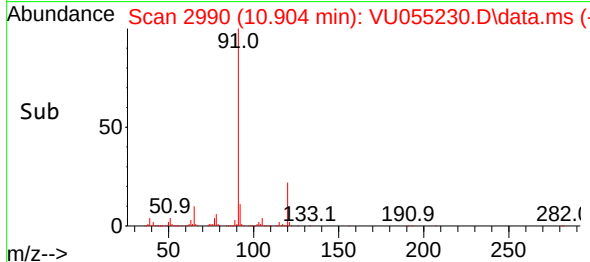
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



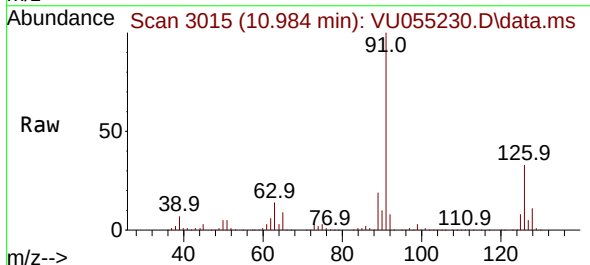
Tgt Ion:120 Resp: 553178
Ion Ratio Lower Upper
120 100
91 444.7 369.8 554.6

Manual Integrations
APPROVED

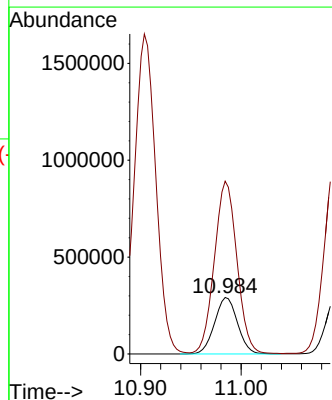
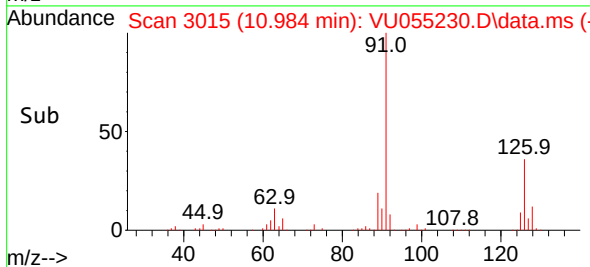
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

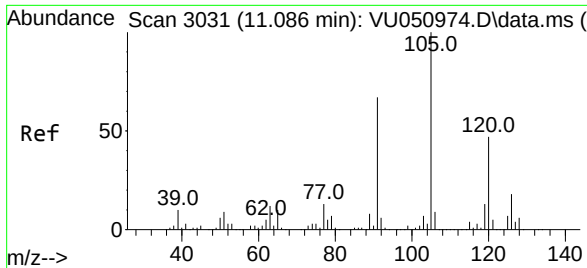


#74
2-Chlorotoluene
Concen: 23.847 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



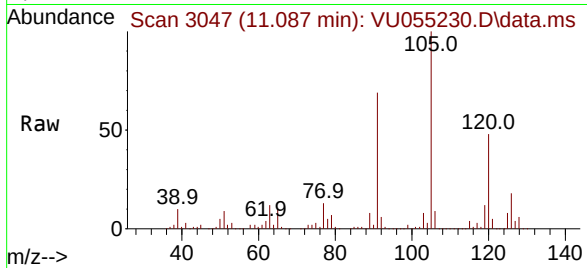
Tgt Ion:126 Resp: 461501
Ion Ratio Lower Upper
126 100
91 300.4 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 24.426 ug/l
RT: 11.087 min Scan# 3031
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

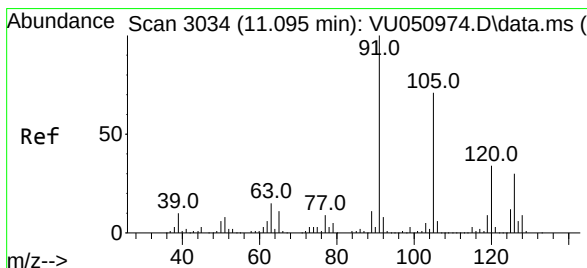
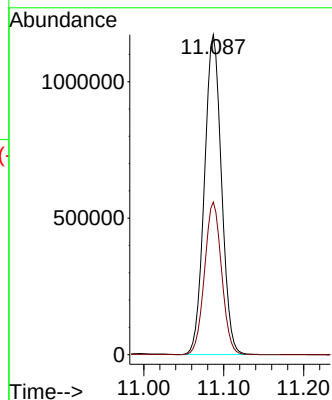
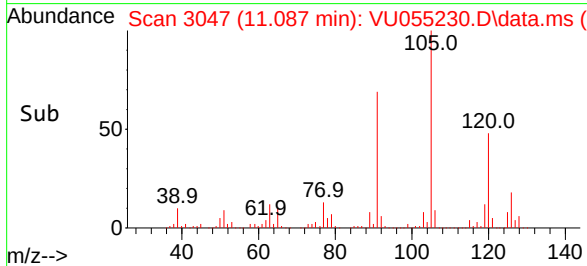
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



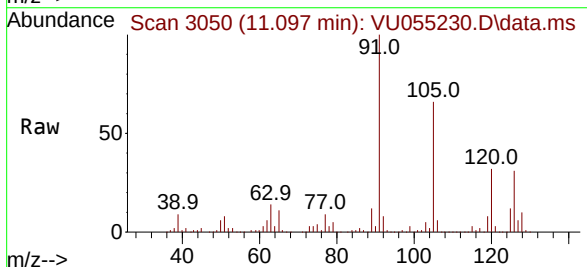
Tgt Ion:105 Resp: 1737928
Ion Ratio Lower Upper
105 100
120 47.8 37.8 56.8

Manual Integrations
APPROVED

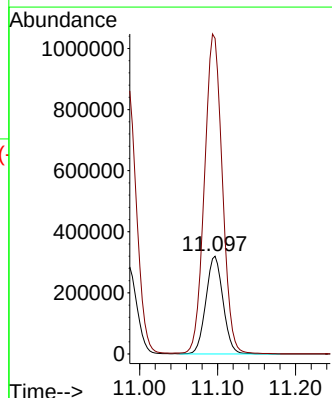
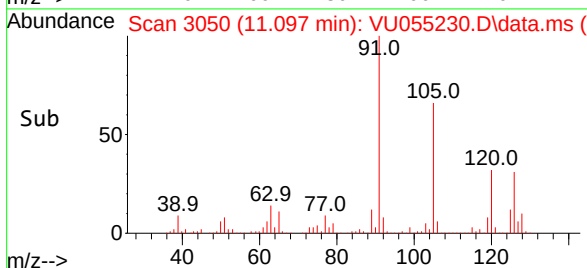
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

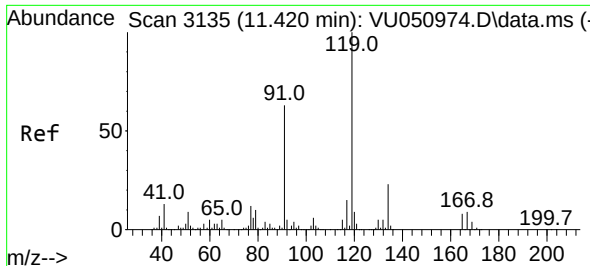


#76
4-Chlorotoluene
Concen: 24.256 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



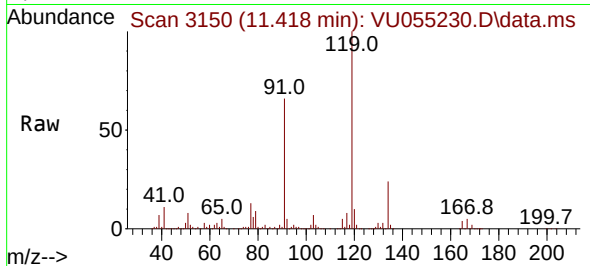
Tgt Ion:126 Resp: 487431
Ion Ratio Lower Upper
126 100
91 342.1 0.0 686.2





#77
tert-Butylbenzene
Concen: 23.110 ug/l
RT: 11.418 min Scan# 3135
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

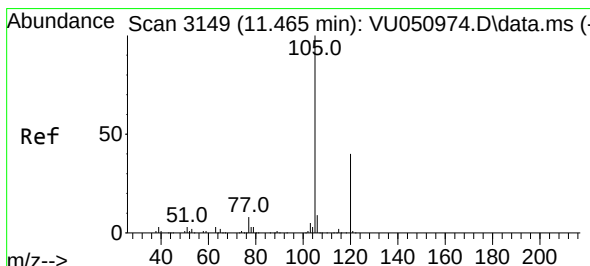
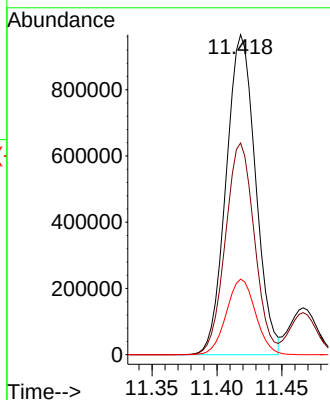
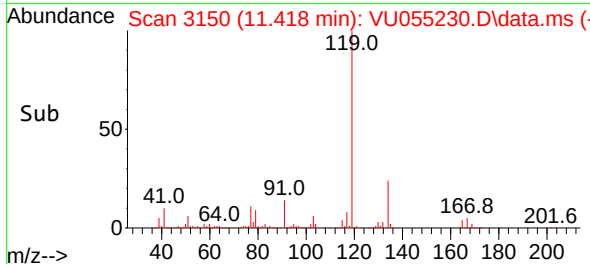
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



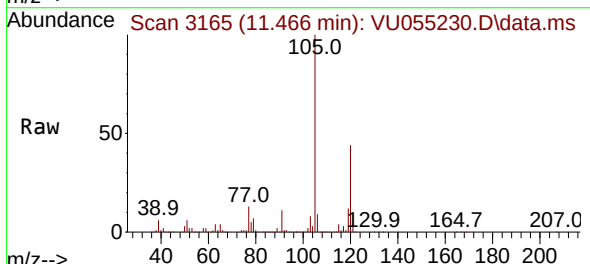
Tgt Ion:119 Resp: 1524092
Ion Ratio Lower Upper
119 100
91 65.4 30.8 92.4
134 23.4 18.0 27.0

Manual Integrations
APPROVED

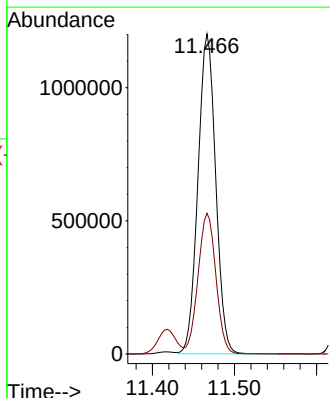
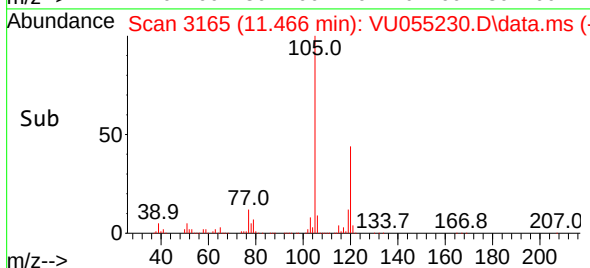
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

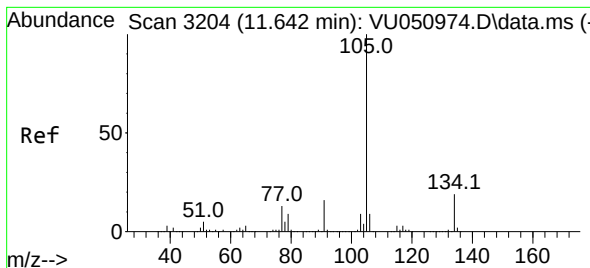


#78
1,2,4-Trimethylbenzene
Concen: 24.925 ug/l
RT: 11.466 min Scan# 3165
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



Tgt Ion:105 Resp: 1806132
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8





#79

sec-Butylbenzene

Concen: 23.922 ug/l

RT: 11.643 min Scan# 31

Delta R.T. 0.001 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 227229

Ion Ratio Lower Upper

105 100

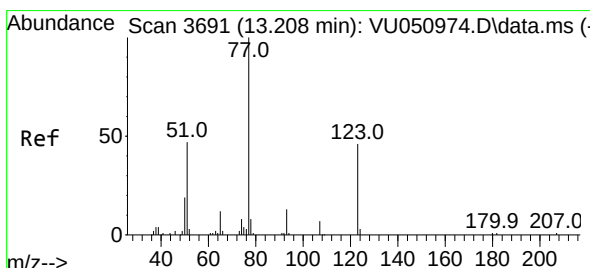
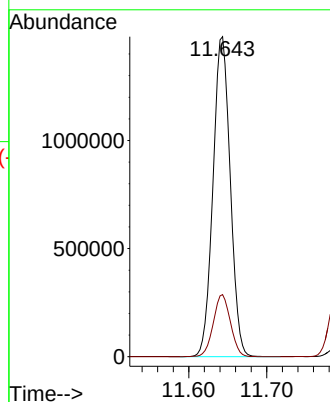
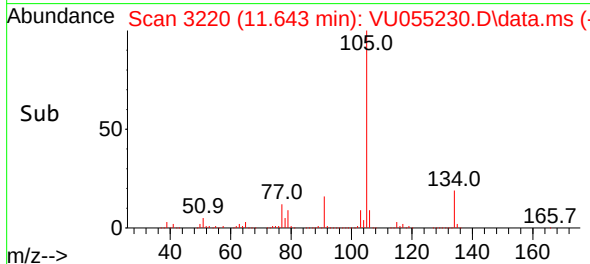
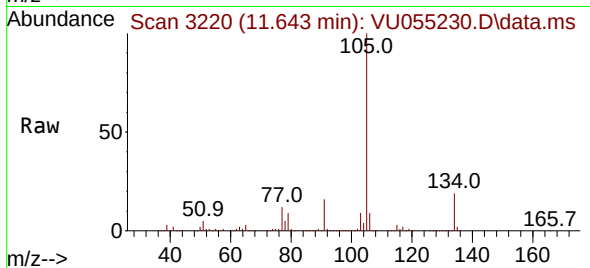
134 19.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

Nitrobenzene

Concen: 101.855 ug/l

RT: 13.206 min Scan# 3706

Delta R.T. -0.002 min

Lab File: VU055230.D

Acq: 11 Sep 2023 11:28

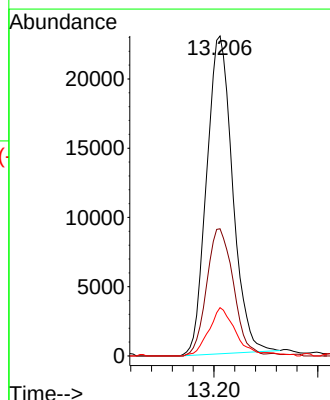
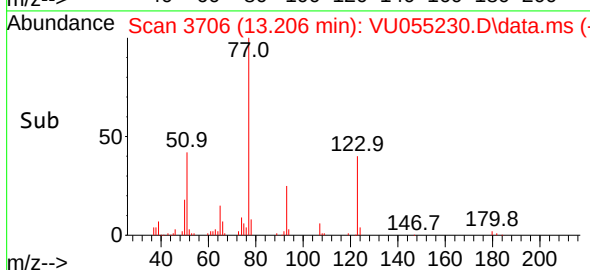
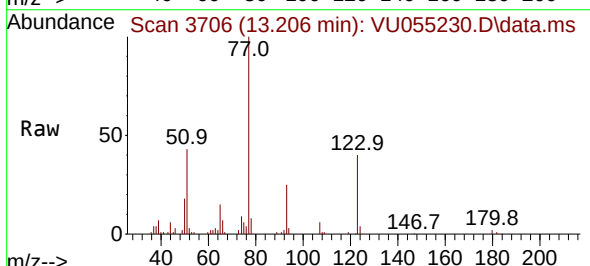
Tgt Ion: 77 Resp: 39849

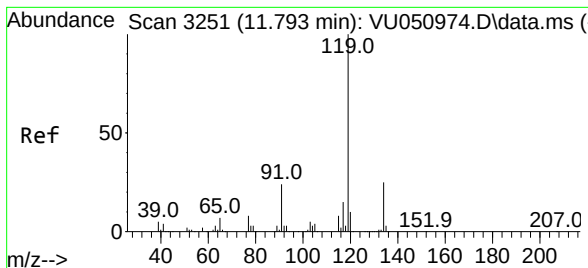
Ion Ratio Lower Upper

77 100

123 40.5 19.7 69.7

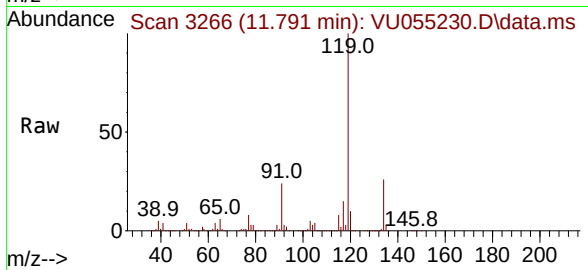
65 16.3 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 25.596 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

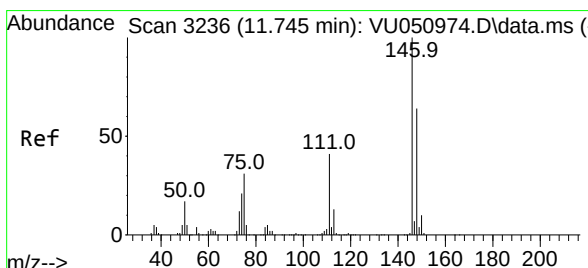
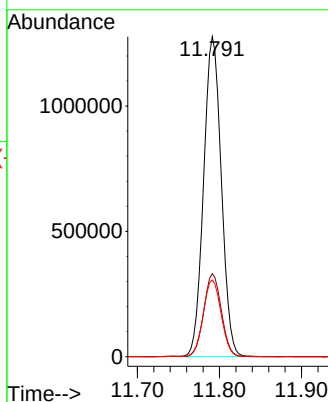
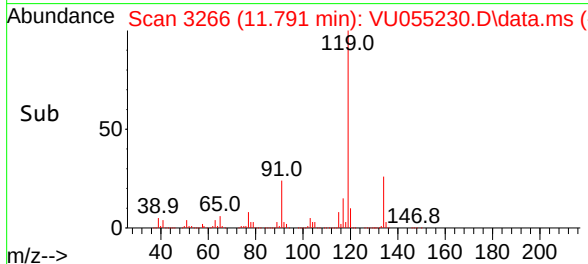
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



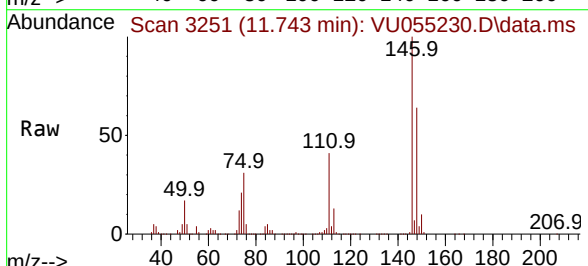
Tgt Ion:119 Resp: 190989
Ion Ratio Lower Upper
119 100
134 25.8 20.2 30.4
91 24.2 19.3 28.9

Manual Integrations
APPROVED

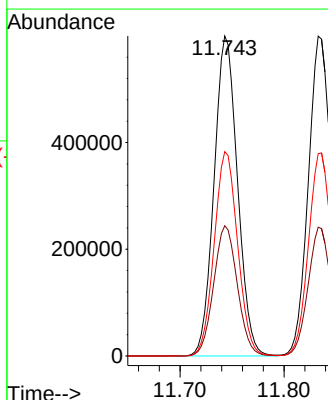
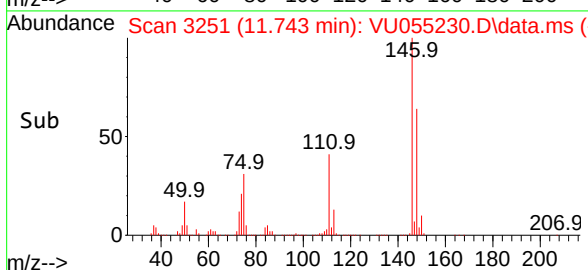
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

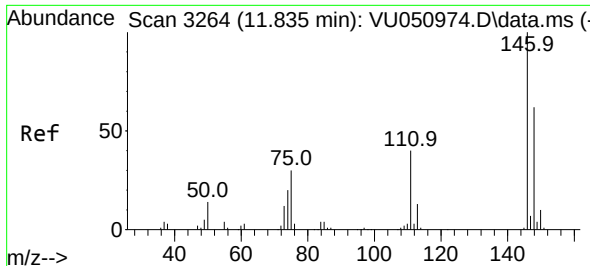


#82
1,3-Dichlorobenzene
Concen: 24.861 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



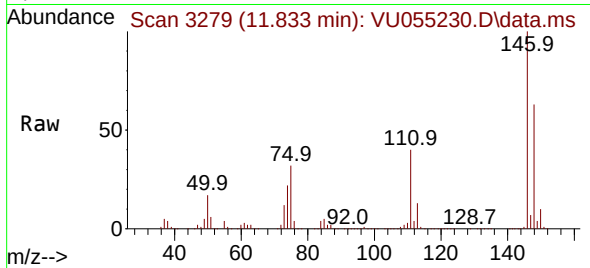
Tgt Ion:146 Resp: 940518
Ion Ratio Lower Upper
146 100
111 41.1 32.6 49.0
148 64.0 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 24.435 ug/l
RT: 11.833 min Scan# 31
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

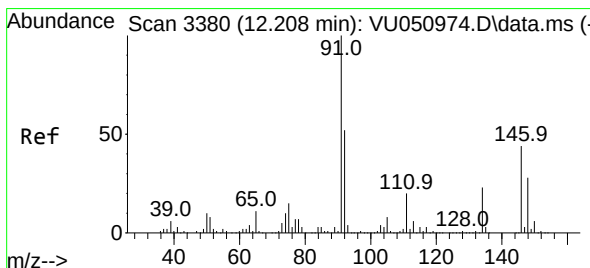
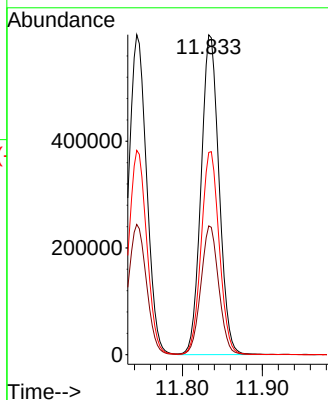
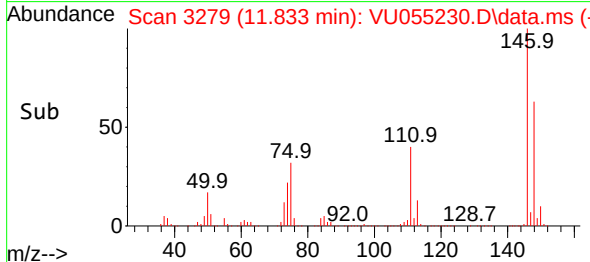
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020



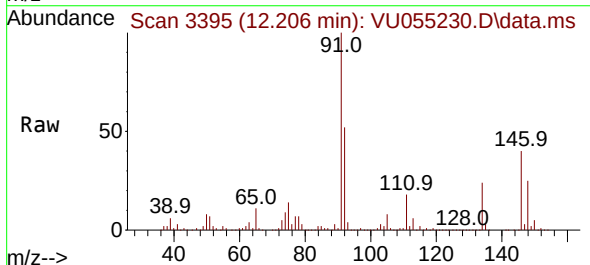
Tgt Ion:146 Resp: 935425
Ion Ratio Lower Upper
146 100
111 40.0 31.6 47.4
148 63.8 50.3 75.5

Manual Integrations
APPROVED

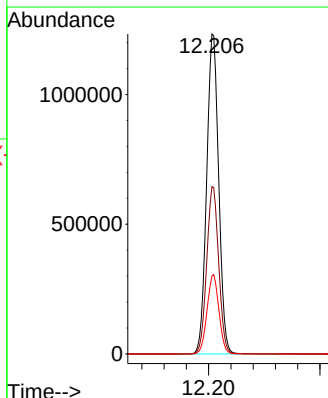
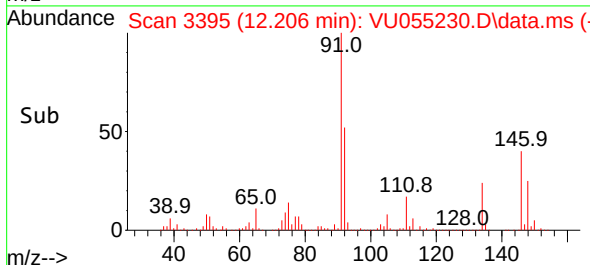
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

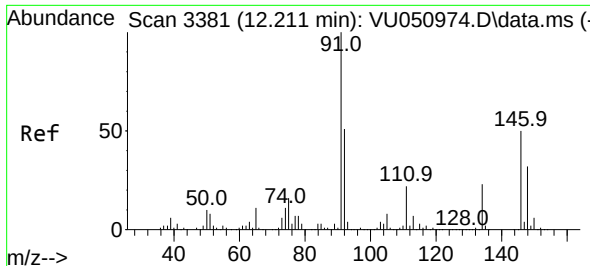


#84
n-Butylbenzene
Concen: 25.016 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



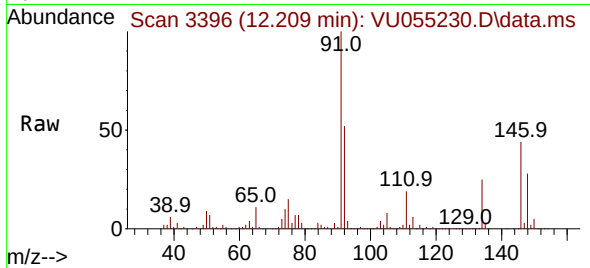
Tgt Ion: 91 Resp: 1844205
Ion Ratio Lower Upper
91 100
92 52.1 40.8 61.2
134 24.5 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 24.046 ug/l
RT: 12.209 min Scan# 311
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

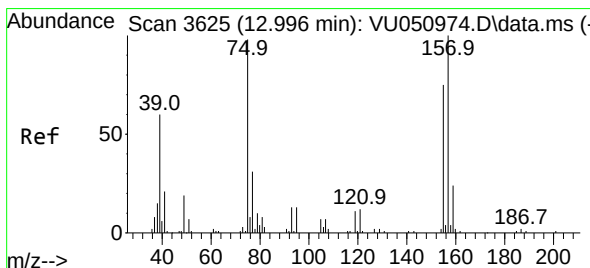
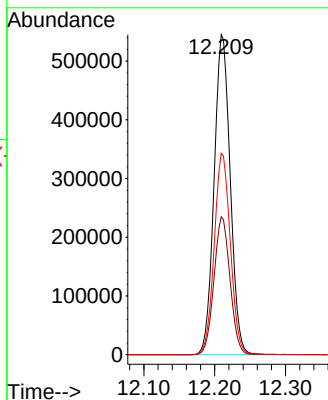
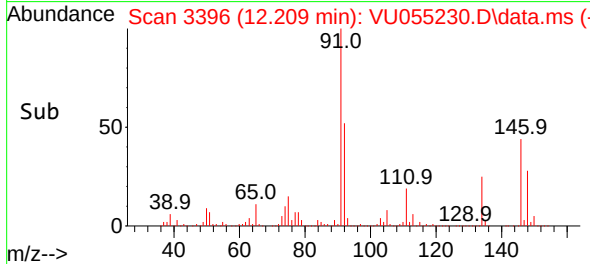
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



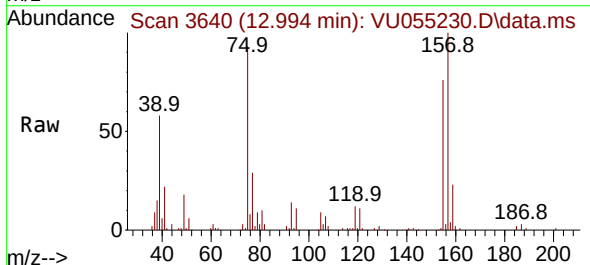
Tgt Ion:146 Resp: 862000
Ion Ratio Lower Upper
146 100
111 42.8 21.6 64.6
148 62.9 32.1 96.5

Manual Integrations
APPROVED

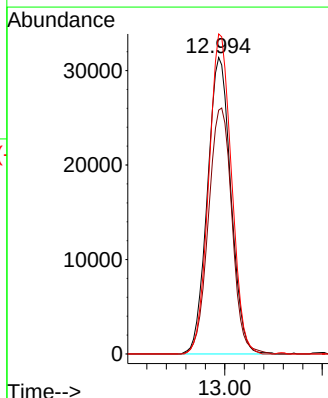
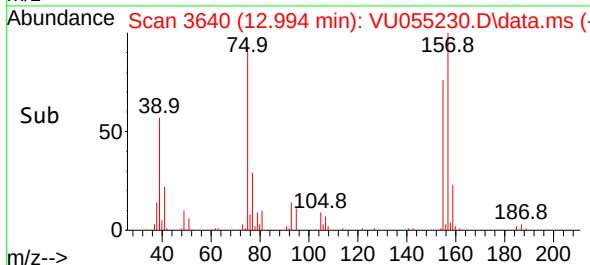
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

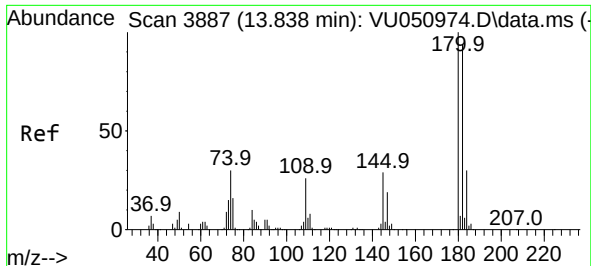


#86
1,2-Dibromo-3-Chloropropane
Concen: 22.179 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28



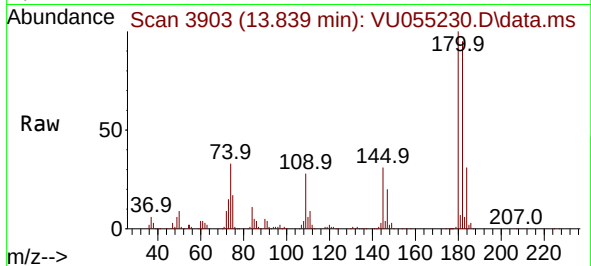
Tgt Ion: 75 Resp: 52454
Ion Ratio Lower Upper
75 100
155 83.0 61.8 92.8
157 104.6 80.2 120.4





#87
1,2,4-Trichlorobenzene
Concen: 27.763 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

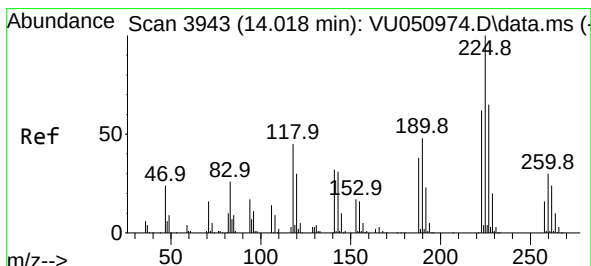
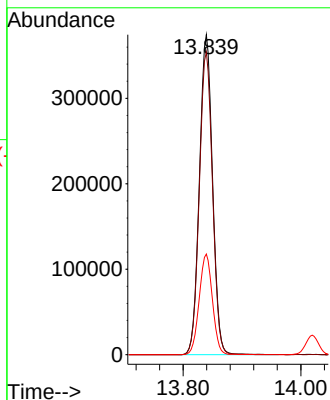
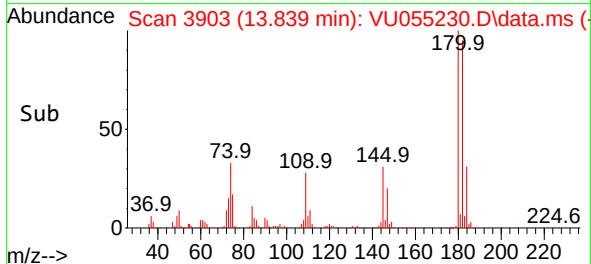
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020



Tgt Ion:180 Resp: 580499
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.6
145 31.6 23.9 35.9

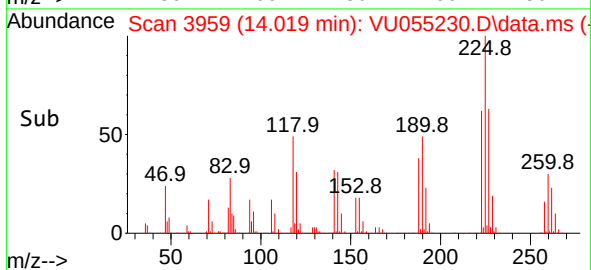
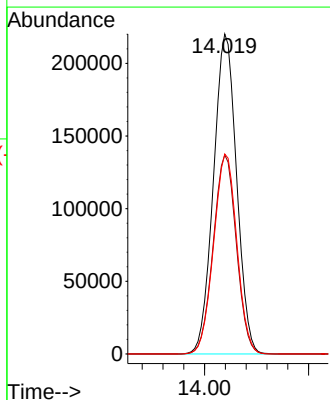
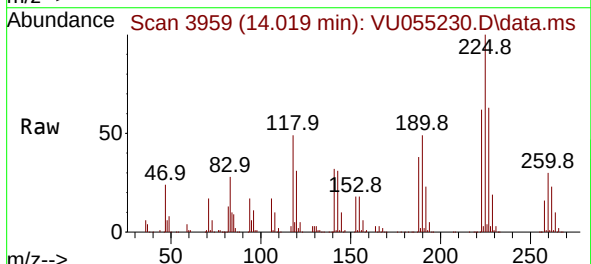
Manual Integrations
APPROVED

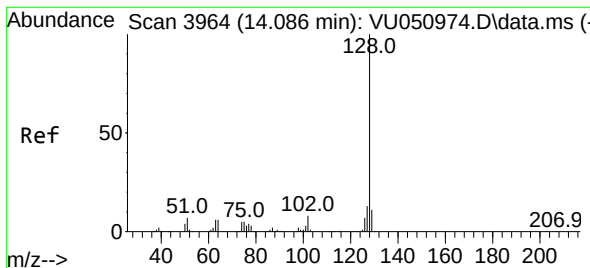
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#88
Hexachlorobutadiene
Concen: 34.050 ug/l
RT: 14.019 min Scan# 3959
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:225 Resp: 340507
Ion Ratio Lower Upper
225 100
223 62.2 50.2 75.4
227 62.8 51.5 77.3





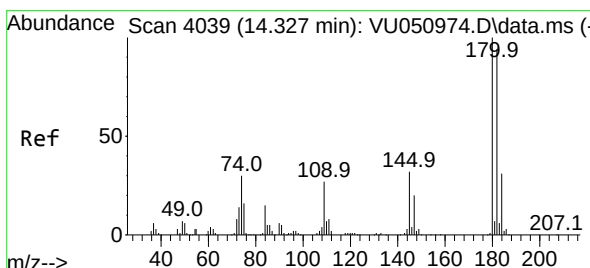
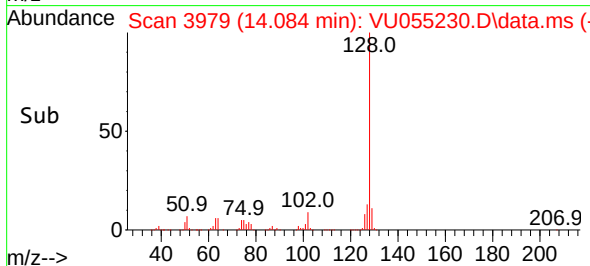
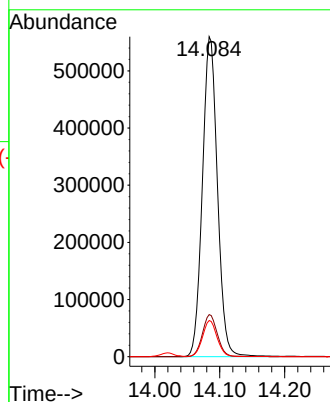
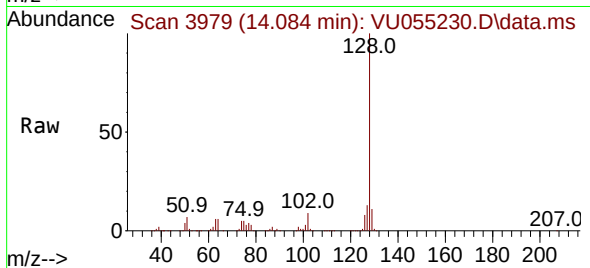
#89
Naphthalene
Concen: 21.453 ug/l
RT: 14.084 min Scan# 3964
Delta R.T. -0.002 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 90249
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 10.9 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#90
1,2,3-Trichlorobenzene
Concen: 27.353 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.001 min
Lab File: VU055230.D
Acq: 11 Sep 2023 11:28

Tgt Ion:180 Resp: 492746
Ion Ratio Lower Upper
180 100
182 95.1 75.7 113.5
145 33.4 26.1 39.1

