

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055228.D
 Acq On : 11 Sep 2023 10:26
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 10:52:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	60018	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	23665	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	23374	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	100385	4.627	ug/l	98
3) Chloromethane	1.515	50	104814	4.742	ug/l	100
4) Vinyl Chloride	1.602	62	109571	4.691	ug/l	98
5) Bromomethane	1.853	94	82796	4.186	ug/l	97
6) Chloroethane	1.930	64	71622	4.797	ug/l	97
7) Trichlorofluoromethane	2.136	101	156997	4.489	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	79760	4.601	ug/l	97
9) 1,1-Dichloroethene	2.576	96	70801	4.465	ug/l	97
10) Iodomethane	2.718	142	104238	6.482	ug/l	97
11) Allyl Chloride	2.920	41	89403	4.995	ug/l	# 81
12) Acrylonitrile	3.316	53	26848	8.717	ug/l	# 94
13) Acetone	2.624	43	107571	17.806	ug/l	96
14) Carbon Disulfide	2.792	76	230112	4.734	ug/l	99
15) Methylene Chloride	3.042	84	82557	2.206	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	81997	5.005	ug/l	97
17) 1,1-Dichloroethane	3.866	63	163223	5.459	ug/l	99
18) 2-Butanone	4.702	43	132136	21.491	ug/l	98
19) Cyclohexane	5.383	56	121464	4.933	ug/l	86
20) Methylcyclohexane	6.759	83	149962	4.876	ug/l	95
21) 2,2-Dichloropropane	4.660	77	134339	5.248	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	100443	5.641	ug/l	98
23) Diethyl Ether	2.374	59	60595	4.815	ug/l	94
24) tert-Butyl Alcohol	3.181	59	46900m	40.996	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	165270	4.702	ug/l	99
26) Bromochloromethane	4.972	128	40132	5.595	ug/l	100
27) Chloroform	5.084	83	174382	5.618	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	151220	5.651	ug/l	99
29) 1,1-Dichloropropene	5.525	75	126056	5.444	ug/l	99
30) Carbon Tetrachloride	5.521	117	131718	6.185	ug/l	96
31) Isopropyl Ether	3.988	45	221193	5.377	ug/l	98
32) Ethyl-t-butyl ether	4.496	59	210316	4.977	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	187981	5.003	ug/l	97
34) Propionitrile	4.779	54	27336	26.374	ug/l	# 17
35) Benzene	5.772	78	372931	5.505	ug/l	100
36) 1,2-Dichloroethane	5.792	62	108040	5.552	ug/l	99
37) Trichloroethene	6.541	130	103663	6.085	ug/l	98
38) 1,2-Dichloropropane	6.788	63	96966	5.587	ug/l	97
39) Methacrylonitrile	4.975	41	21614	5.109	ug/l	96
40) Methyl acrylate	4.849	55	35828	4.671	ug/l	98
41) Tetrahydrofuran	5.055	42	22081	9.997	ug/l	92
42) 1-Chlorobutane	5.454	56	166681	5.412	ug/l	97
43) Dibromomethane	6.917	93	46572	5.632	ug/l	98
44) Bromodichloromethane	7.103	83	120348	5.820	ug/l	97

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 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

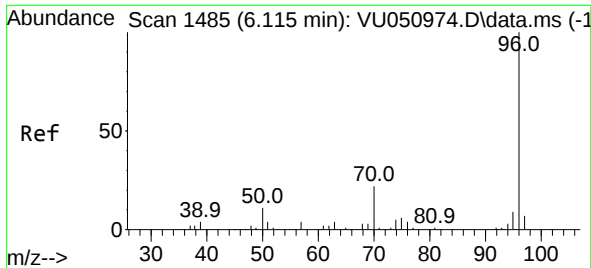
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	222372	25.926	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	41861m	8.902	ug/l	
47) Methyl methacrylate	6.959	69	76194	10.022	ug/l	96
48) Ethyl methacrylate	8.332	69	70921	4.810	ug/l	97
49) Toluene	7.968	92	229839	5.536	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	99293	5.184	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	125346	5.284	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	63634	5.307	ug/l	98
53) 1,3-Dichloropropane	8.573	76	111797	5.405	ug/l	100
54) 2-Hexanone	8.682	43	199947	22.219	ug/l	99
55) Dibromochloromethane	8.807	129	75073	6.151	ug/l	100
56) 1,2-Dibromoethane	8.923	107	59948	5.427	ug/l	100
58) Tetrachloroethene	8.550	164	116625	7.321	ug/l	96
59) Chlorobenzene	9.444	112	253471	5.545	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	81693	5.880	ug/l	99
61) Pentachloroethane	11.422	117	39394	4.036	ug/l #	81
62) Hexachloroethane	12.473	117	63209	5.630	ug/l	94
63) Ethyl Benzene	9.570	91	436530	5.446	ug/l	100
64) m/p-Xylenes	9.692	106	345714	11.280	ug/l	98
65) o-Xylene	10.097	106	164532	5.485	ug/l	98
66) Styrene	10.113	104	264213	5.730	ug/l	99
67) Bromoform	10.290	173	37606	6.547	ug/l	97
69) Isopropylbenzene	10.483	105	431376	5.493	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	64718	4.484	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	59277m	5.439	ug/l	
72) Bromobenzene	10.782	156	96815	5.884	ug/l	98
73) n-propylbenzene	10.904	120	117589	5.667	ug/l	97
74) 2-Chlorotoluene	10.984	126	103207	5.754	ug/l	100
75) 1,3,5-Trimethylbenzene	11.087	105	378960	5.746	ug/l	100
76) 4-Chlorotoluene	11.097	126	108136	5.806	ug/l	100
77) tert-Butylbenzene	11.418	119	322842	5.281	ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	386610	5.756	ug/l	100
79) sec-Butylbenzene	11.640	105	485240	5.511	ug/l	99
80) Nitrobenzene	13.212	77	6976	19.237	ug/l #	96
81) p-Isopropyltoluene	11.791	119	398578	5.763	ug/l	100
82) 1,3-Dichlorobenzene	11.743	146	208291	5.940	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	208438	5.874	ug/l	99
84) n-Butylbenzene	12.206	91	348655	5.102	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	191015	5.749	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	11418	5.209	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	107907	5.568	ug/l	98
88) Hexachlorobutadiene	14.020	225	66874	7.215	ug/l	97
89) Naphthalene	14.087	128	152896	3.921	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	94196	5.641	ug/l	99

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



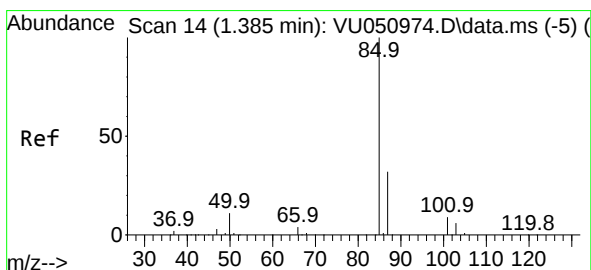
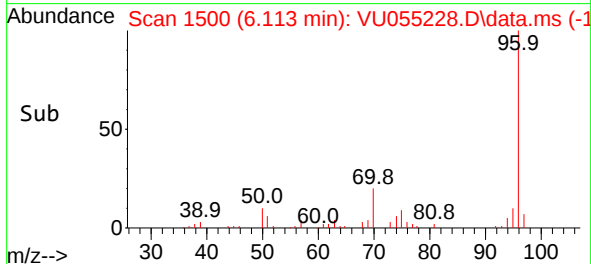
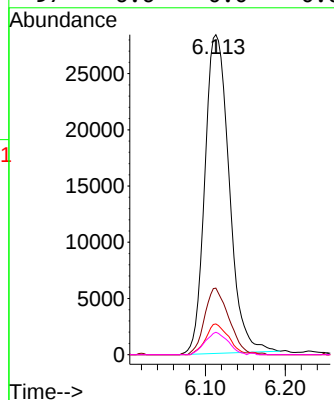
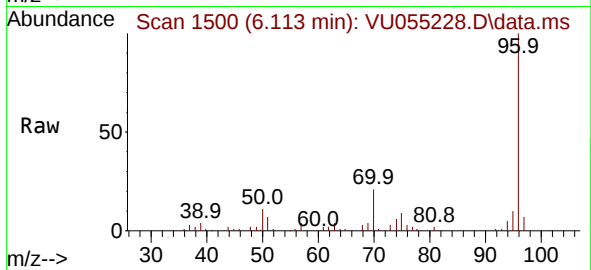
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 60018
Ion Ratio Lower Upper
96 100
70 20.2 16.5 24.7
95 8.4 7.4 11.0
97 6.6 0.0 0.0#

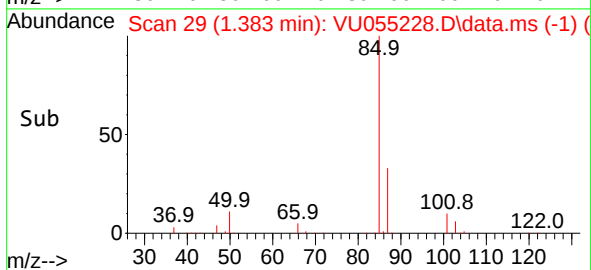
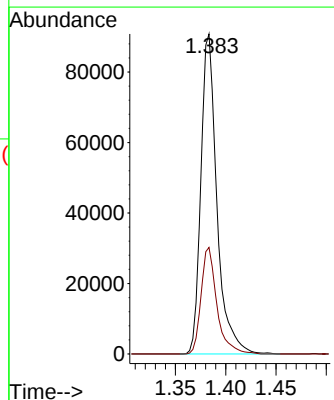
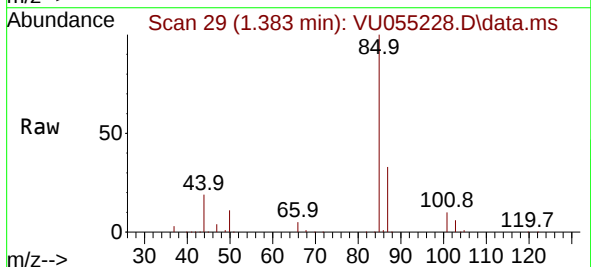
Manual Integrations
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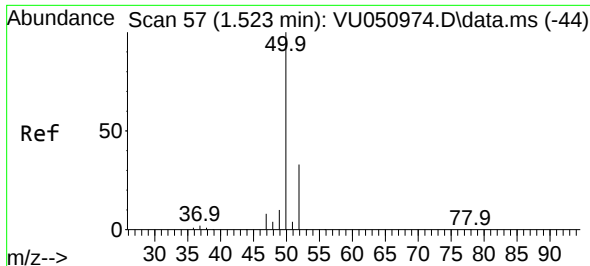
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 4.627 ug/l
RT: 1.383 min Scan# 29
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 85 Resp: 100385
Ion Ratio Lower Upper
85 100
87 33.3 16.2 48.6





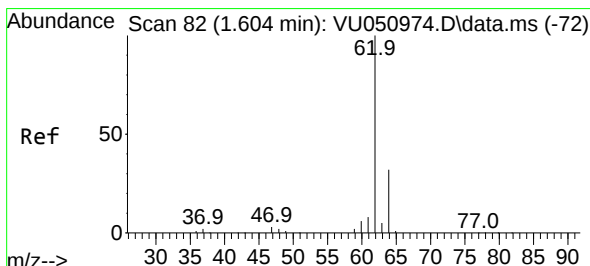
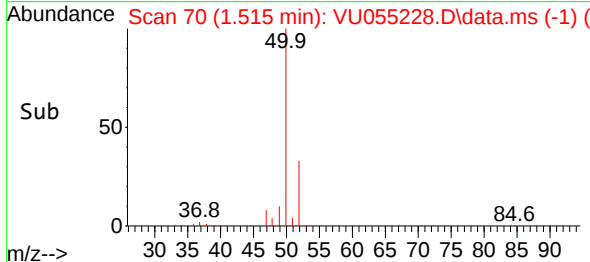
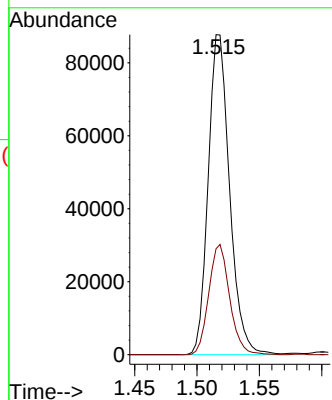
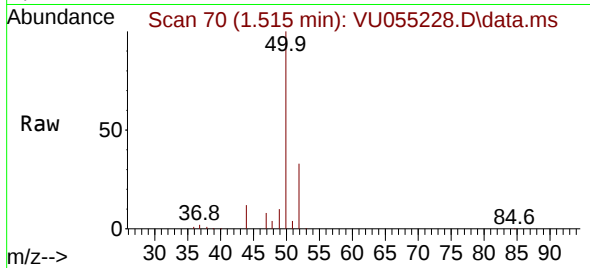
#3
Chloromethane
Concen: 4.742 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 104814
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0

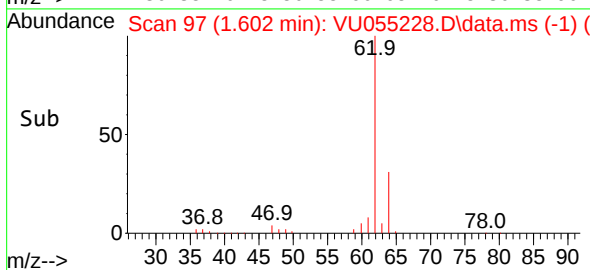
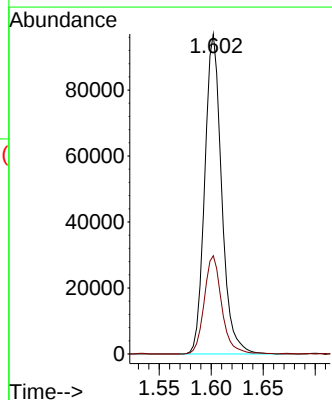
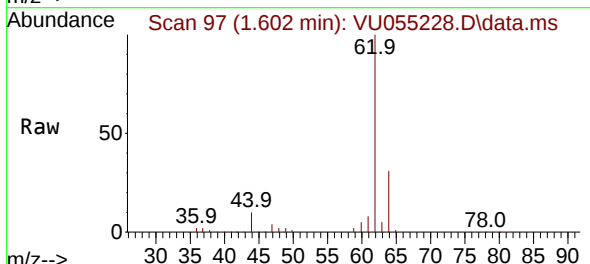
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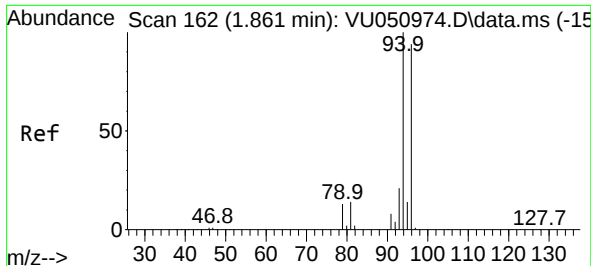
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 4.691 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 62 Resp: 109571
Ion Ratio Lower Upper
62 100
64 30.7 25.4 38.2





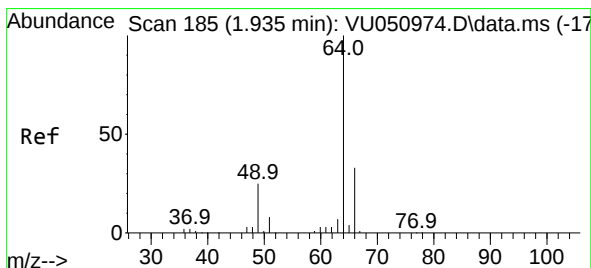
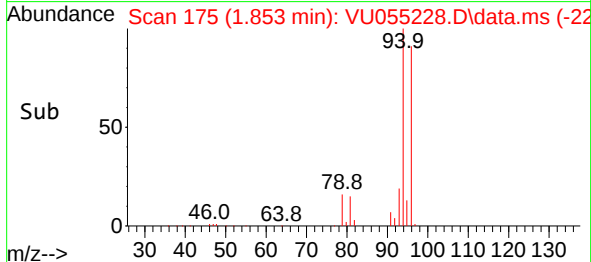
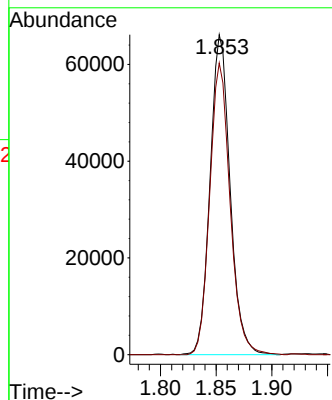
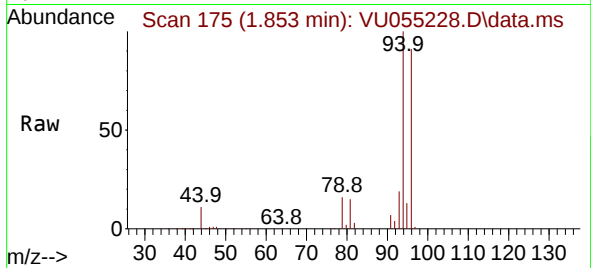
#5
Bromomethane
Concen: 4.186 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 82790
Ion Ratio Lower Upper
94 100
96 91.2 75.4 113.2

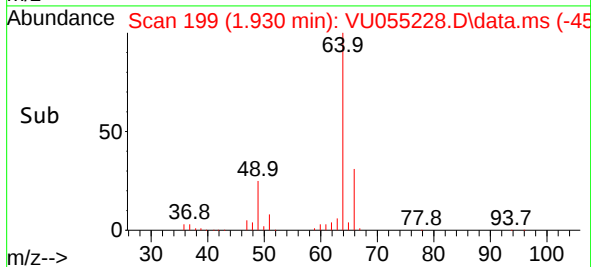
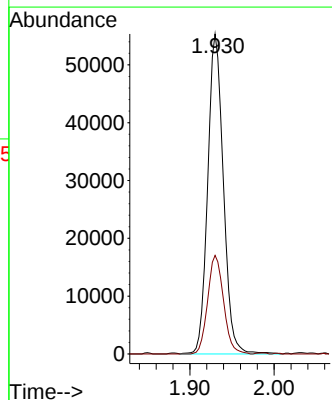
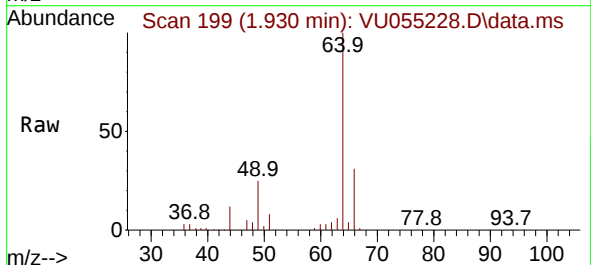
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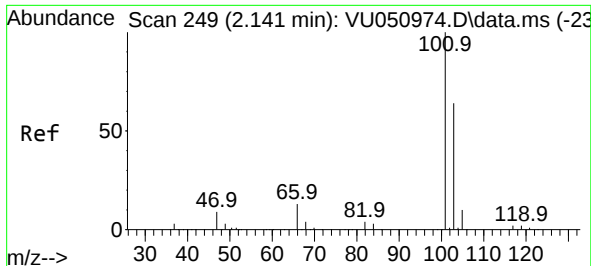
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 4.797 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

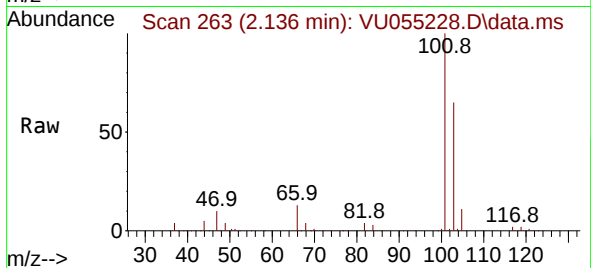
Tgt Ion: 64 Resp: 71622
Ion Ratio Lower Upper
64 100
66 30.8 26.0 39.0





#7
Trichlorofluoromethane
Concen: 4.489 ug/l
RT: 2.136 min Scan# 20
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

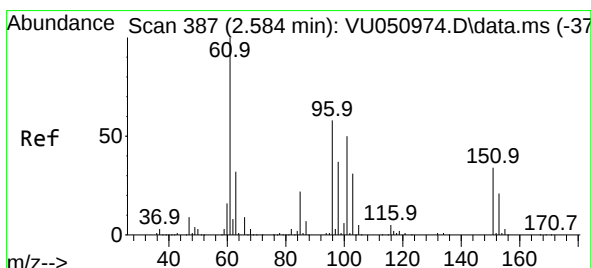
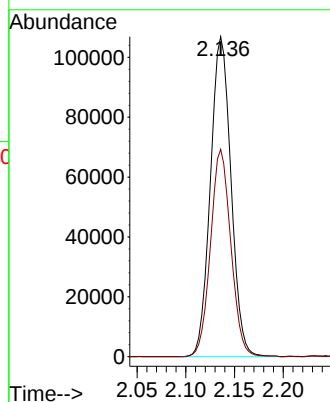
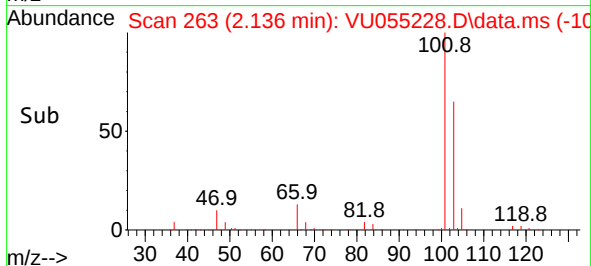
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



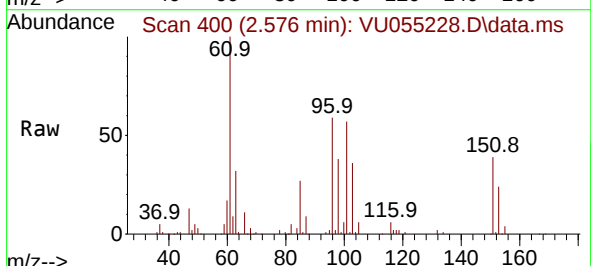
Tgt Ion:101 Resp: 15699
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0

Manual Integrations
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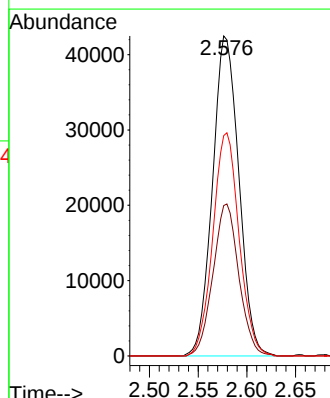
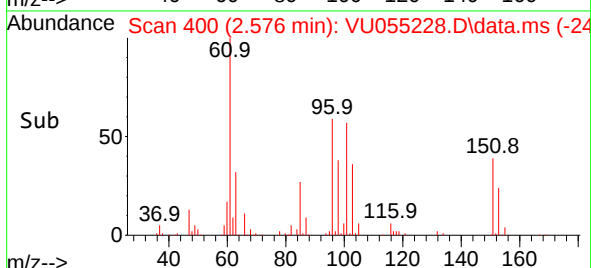
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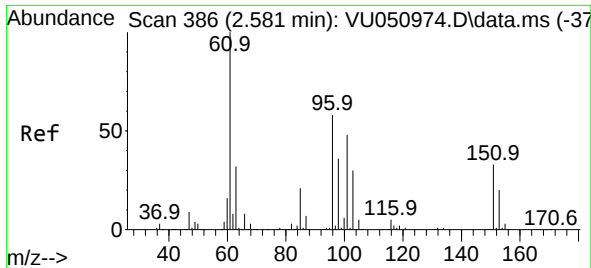


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.601 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



Tgt Ion:101 Resp: 79760
Ion Ratio Lower Upper
101 100
85 46.7 35.4 53.0
151 69.6 54.0 81.0





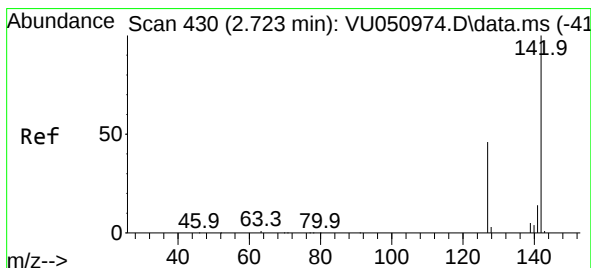
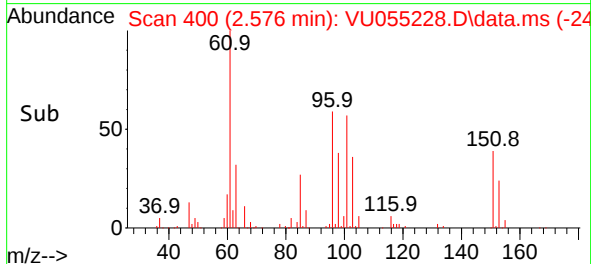
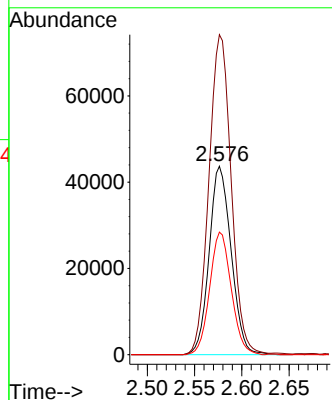
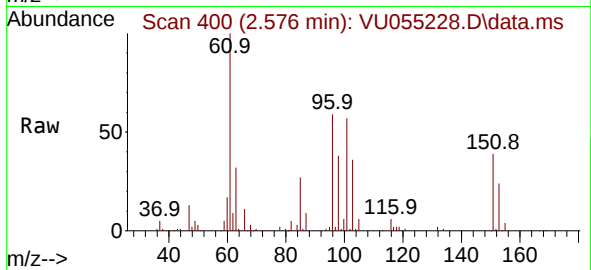
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1,1-Dichloroethene
Concen: 4.465 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 7080
Ion Ratio Lower Upper
96 100
61 169.7 0.0 521.4
98 65.0 0.0 125.8

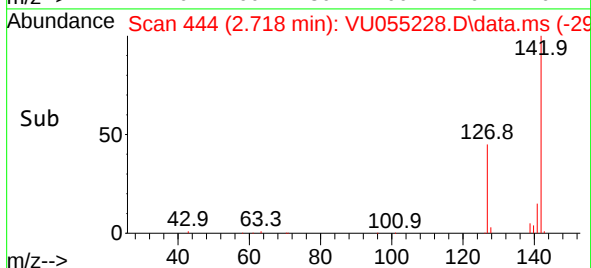
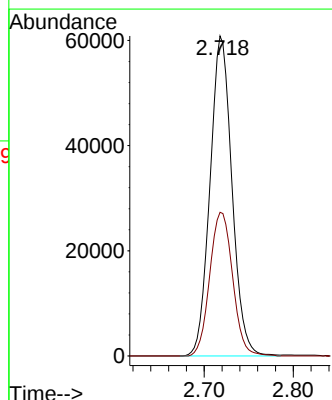
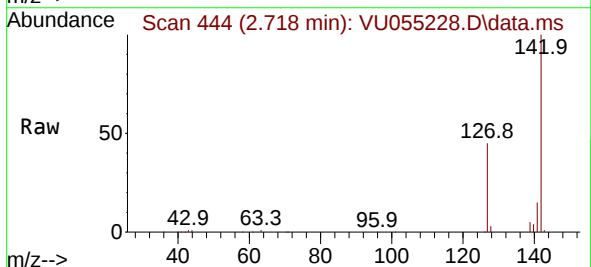
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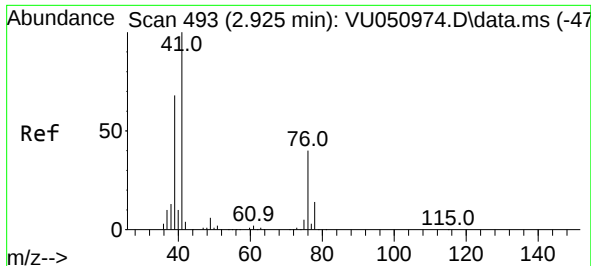
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Iodomethane
Concen: 6.482 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:142 Resp: 104238
Ion Ratio Lower Upper
142 100
127 46.8 35.9 53.9





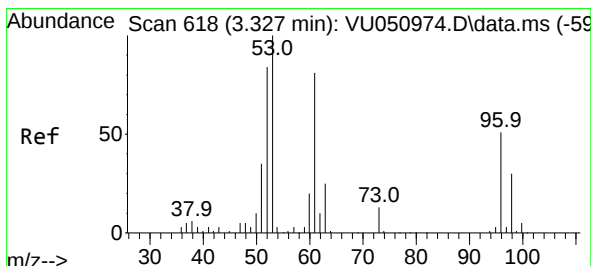
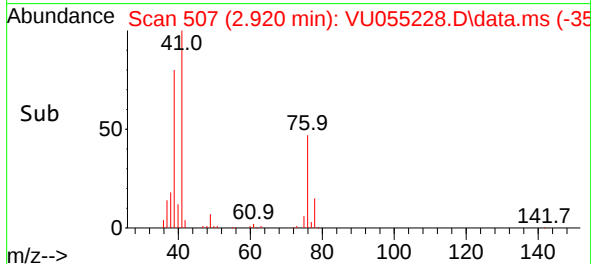
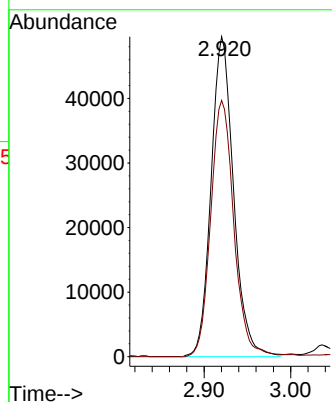
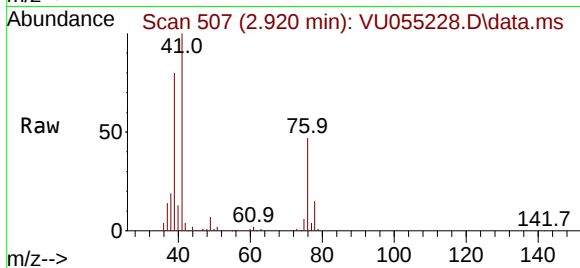
#11
 Allyl Chloride
 Concen: 4.995 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. -0.005 min
 Lab File: VU055228.D
 Acq: 11 Sep 2023 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 41 Resp: 8940
 Ion Ratio Lower Upper
 41 100
 39 82.8 54.2 81.2

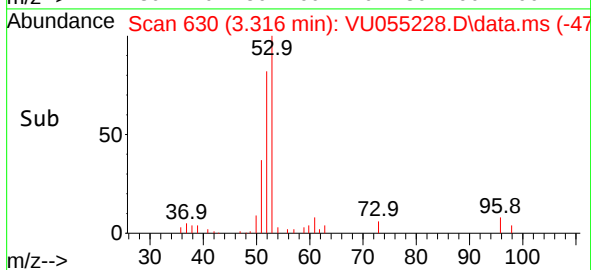
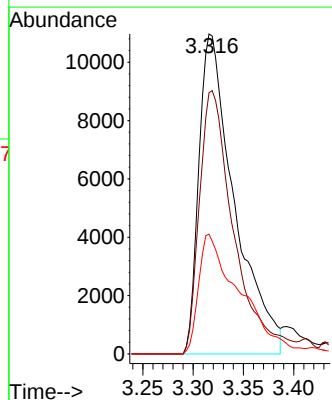
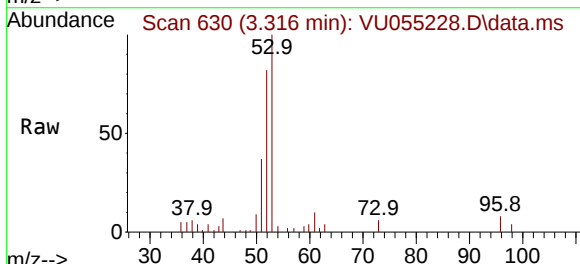
Manual Integrations
 APPROVED

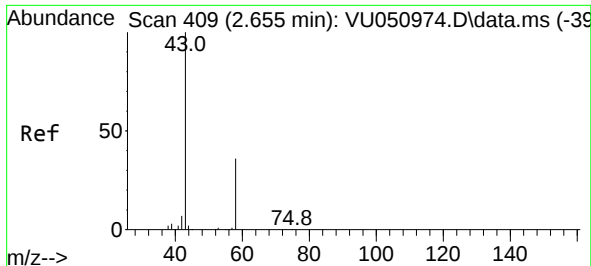
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#12
 Acrylonitrile
 Concen: 8.717 ug/l
 RT: 3.316 min Scan# 630
 Delta R.T. -0.011 min
 Lab File: VU055228.D
 Acq: 11 Sep 2023 10:26

Tgt Ion: 53 Resp: 26848
 Ion Ratio Lower Upper
 53 100
 52 80.0 62.9 94.3
 51 43.7 27.8 41.6





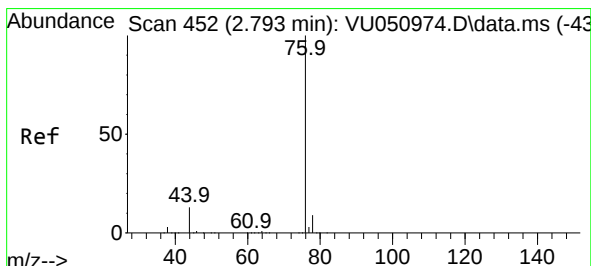
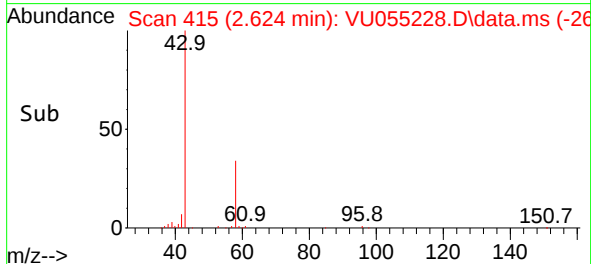
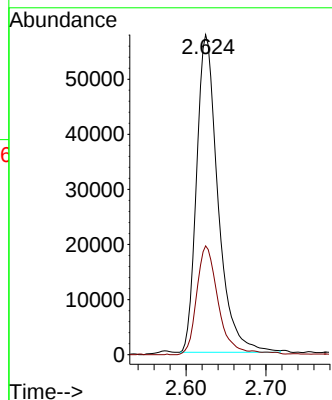
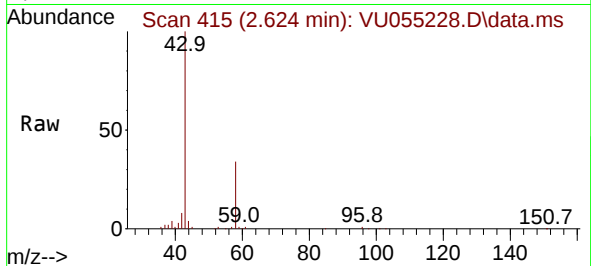
#13
Acetone
Concen: 17.806 ug/l
RT: 2.624 min Scan# 415
Delta R.T. -0.031 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 10757
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.4

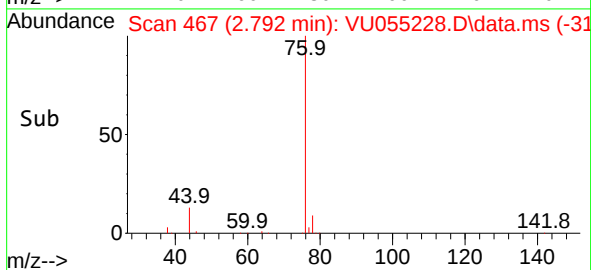
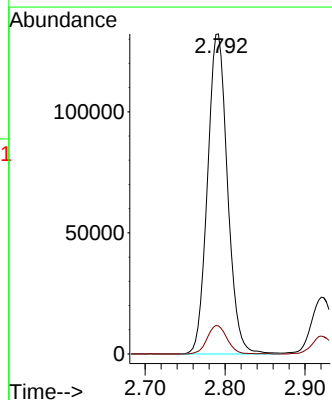
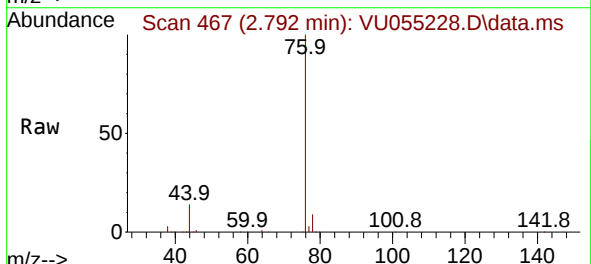
Manual Integrations
APPROVED

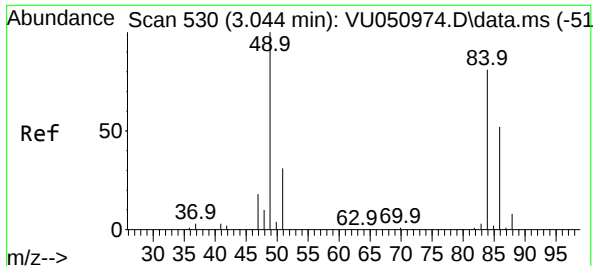
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#14
Carbon Disulfide
Concen: 4.734 ug/l
RT: 2.792 min Scan# 467
Delta R.T. -0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

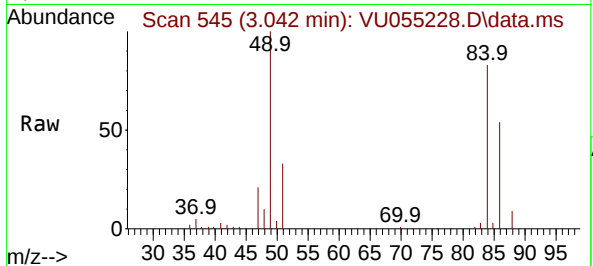
Tgt Ion: 76 Resp: 230112
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 2.206 ug/l
RT: 3.042 min Scan# 54
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

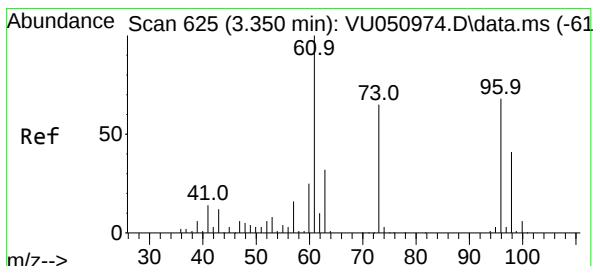
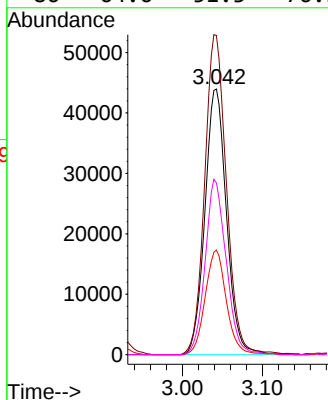
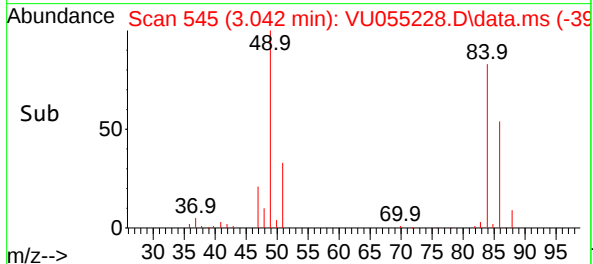
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



Tgt Ion: 84 Resp: 8255
Ion Ratio Lower Upper
84 100
49 120.1 98.9 148.3
51 39.4 0.0 75.4
86 64.6 51.3 76.9

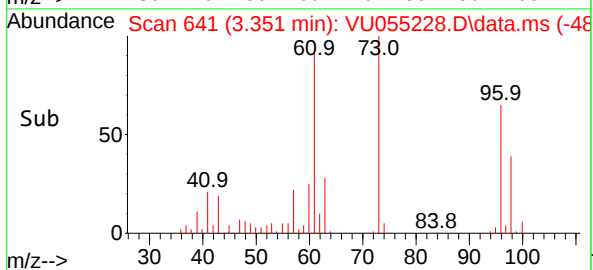
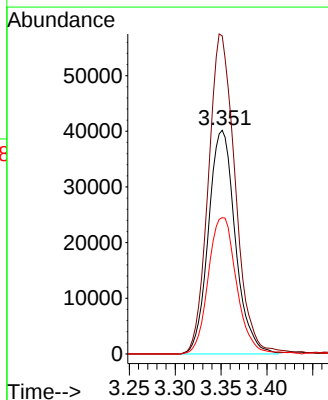
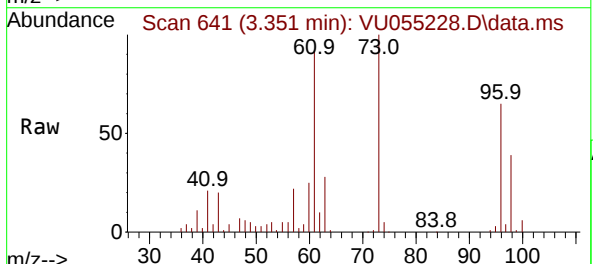
Manual Integrations
APPROVED

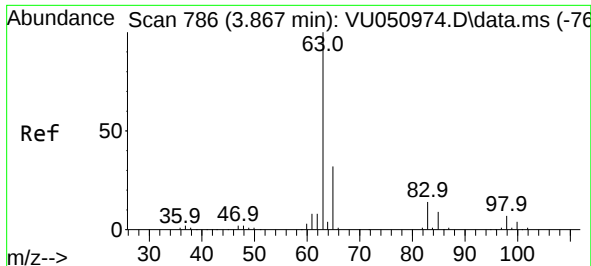
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#16
trans-1,2-Dichloroethene
Concen: 5.005 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 96 Resp: 81997
Ion Ratio Lower Upper
96 100
61 142.2 117.5 176.3
98 60.9 48.3 72.5





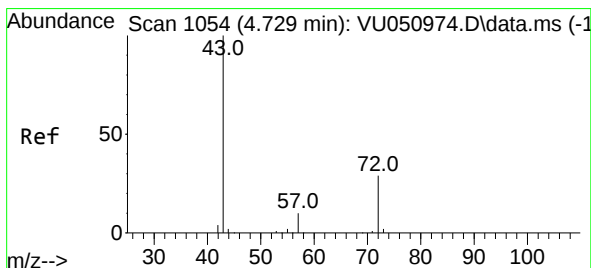
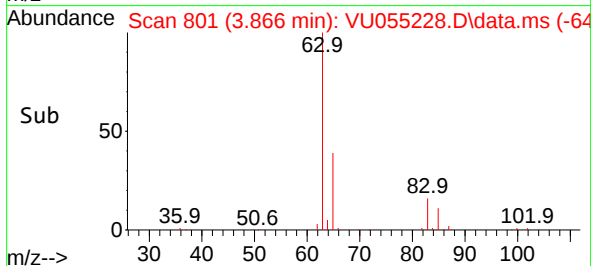
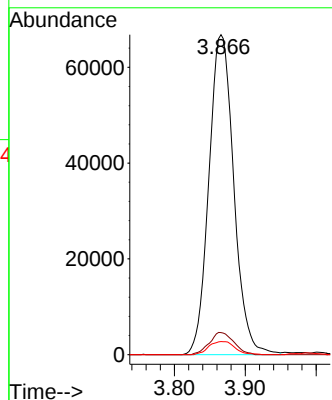
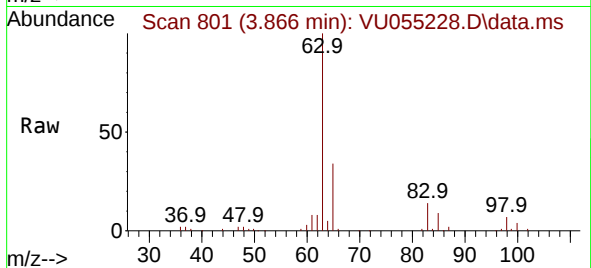
#17
1,1-Dichloroethane
Concen: 5.459 ug/l
RT: 3.866 min Scan# 801
Delta R.T. -0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 16322
Ion Ratio Lower Upper
63 100
98 6.9 3.4 10.1
100 4.1 2.2 6.6

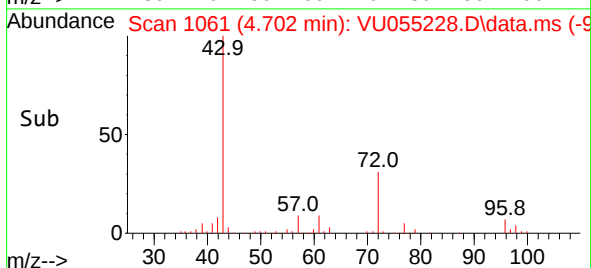
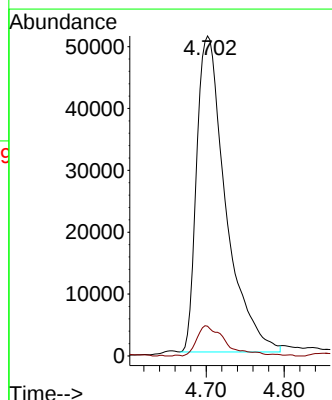
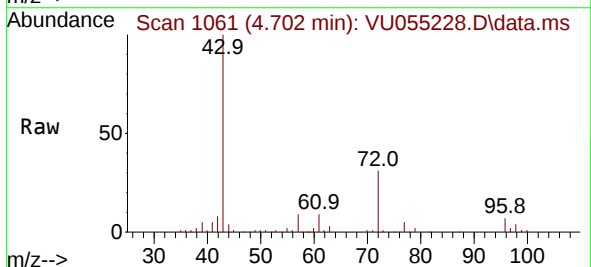
Manual Integrations
APPROVED

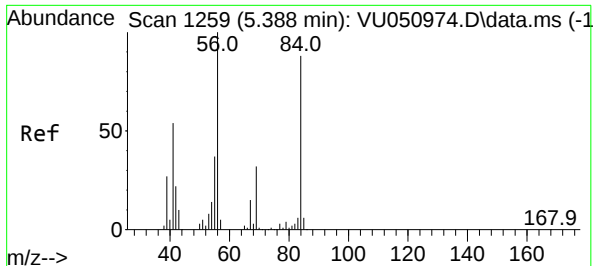
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#18
2-Butanone
Concen: 21.491 ug/l
RT: 4.702 min Scan# 1061
Delta R.T. -0.027 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 43 Resp: 132136
Ion Ratio Lower Upper
43 100
57 9.2 0.0 19.6





#19

Cyclohexane

Concen: 4.933 ug/l

RT: 5.383 min Scan# 1

Delta R.T. -0.005 min

Lab File: VU055228.D

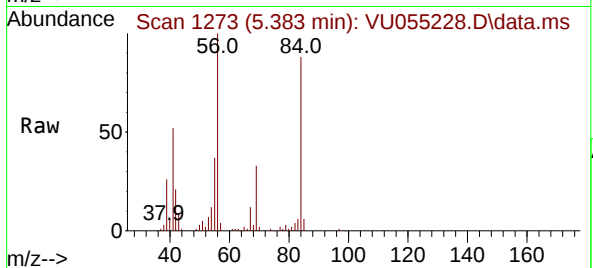
Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005



Tgt Ion: 56 Resp: 121464

Ion Ratio Lower Upper

56 100

69 36.9 24.6 37.0

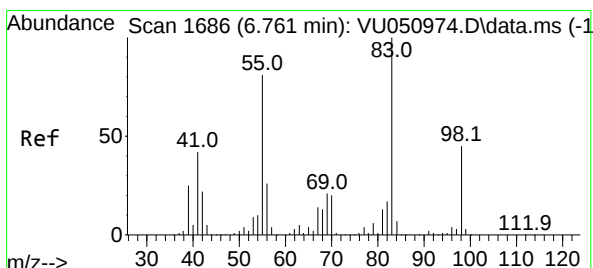
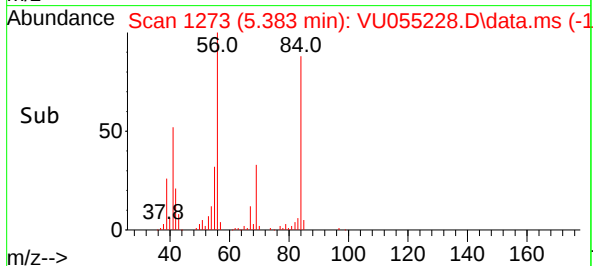
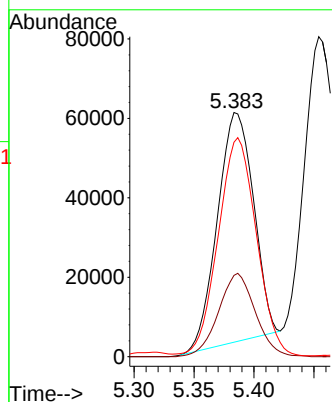
84 99.0 68.4 102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylcyclohexane

Concen: 4.876 ug/l

RT: 6.759 min Scan# 1701

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

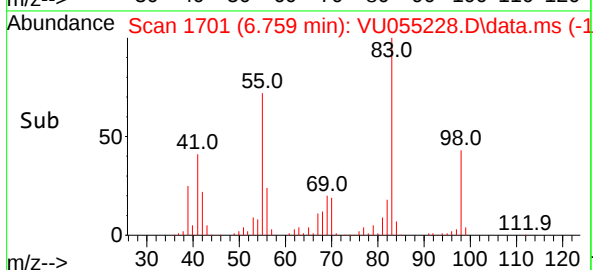
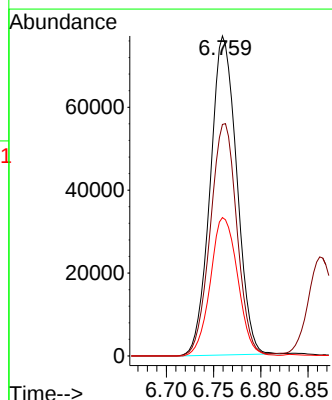
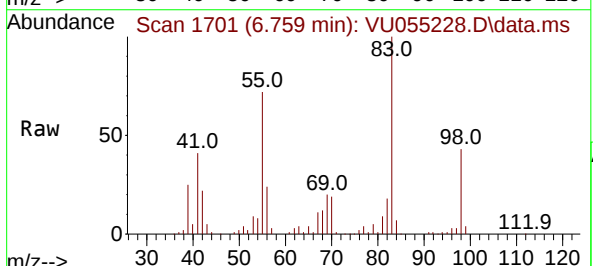
Tgt Ion: 83 Resp: 149962

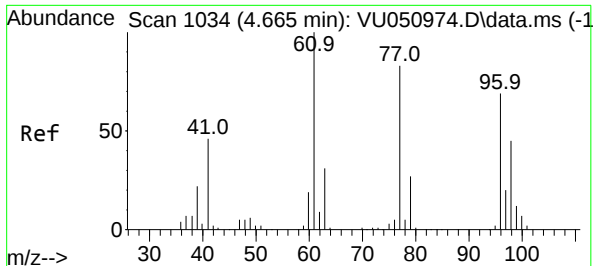
Ion Ratio Lower Upper

83 100

55 72.5 63.5 95.3

98 44.7 36.0 54.0





#21

2,2-Dichloropropane

Concen: 5.248 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 134339

Ion Ratio Lower Upper

77 100

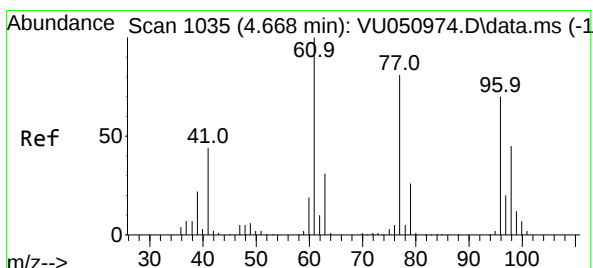
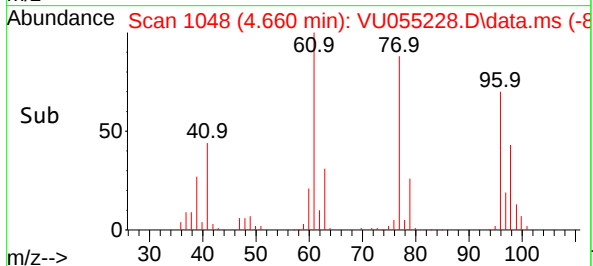
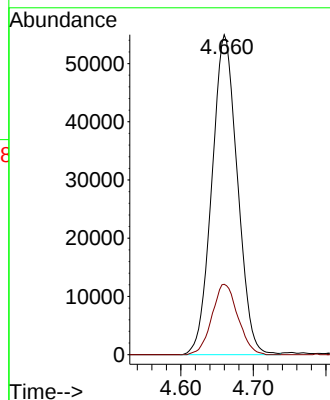
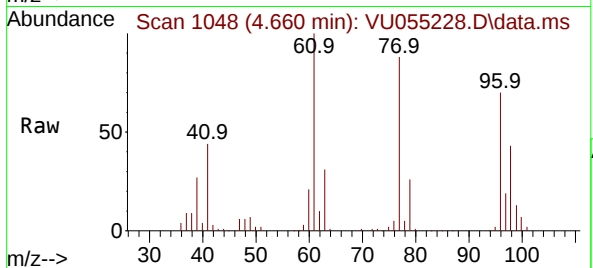
97 22.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

cis-1,2-Dichloroethene

Concen: 5.641 ug/l

RT: 4.663 min Scan# 1049

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

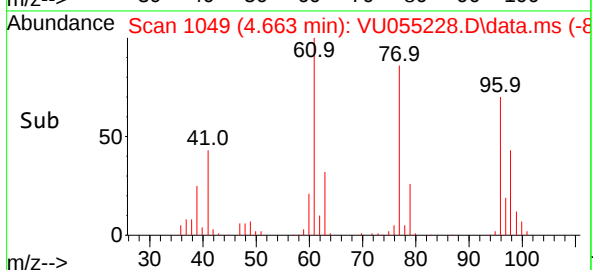
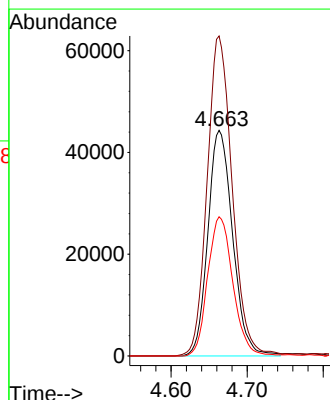
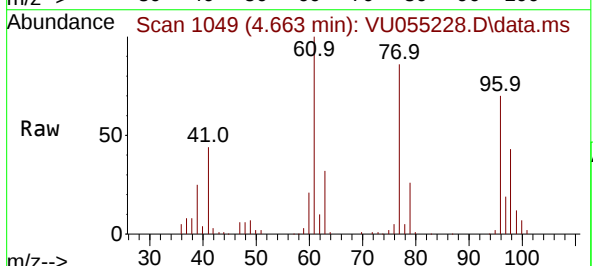
Tgt Ion: 96 Resp: 100443

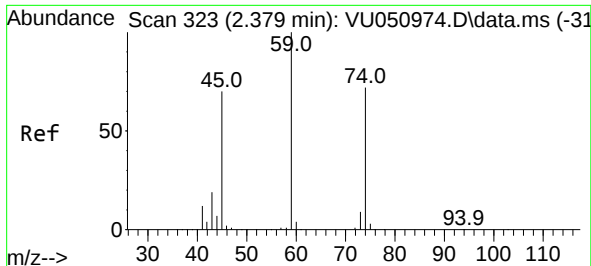
Ion Ratio Lower Upper

96 100

61 143.5 0.0 365.8

98 62.6 32.0 96.0





#23

Diethyl Ether

Concen: 4.815 ug/l

RT: 2.374 min Scan# 31

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

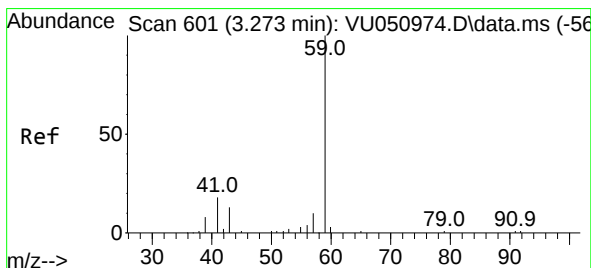
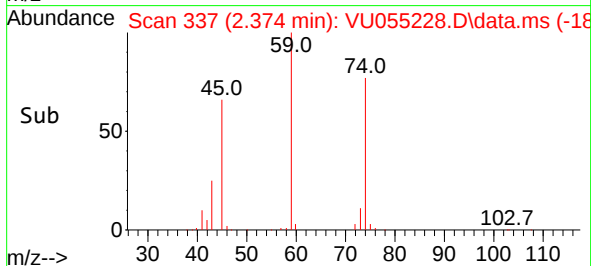
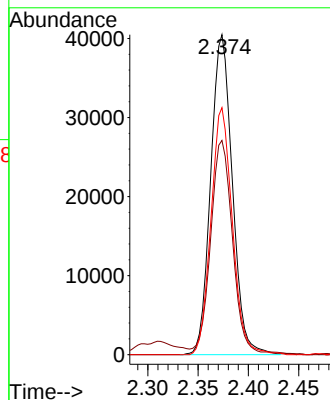
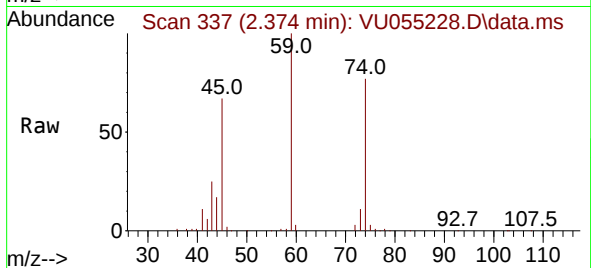
Tgt Ion:	59	Resp:	6059
Ion Ratio	Lower	Upper	
59	100		
45	65.2	56.1	84.1
74	76.5	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

tert-Butyl Alcohol

Concen: 40.996 ug/l m

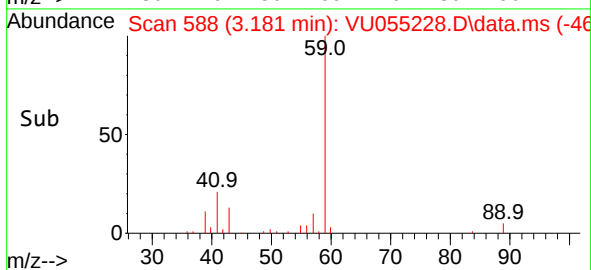
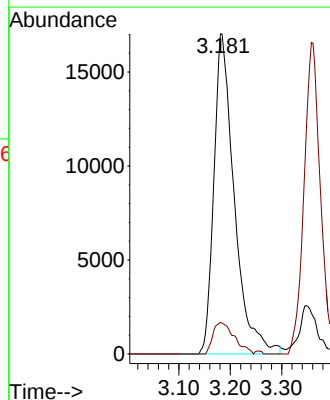
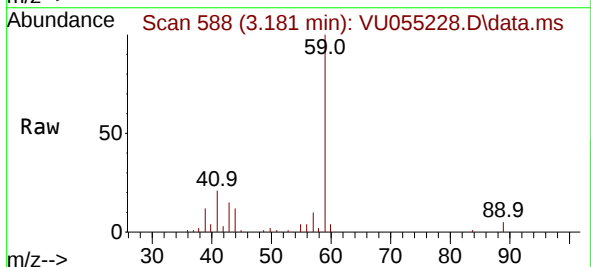
RT: 3.181 min Scan# 588

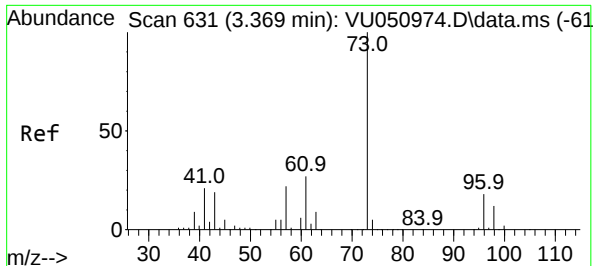
Delta R.T. -0.092 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

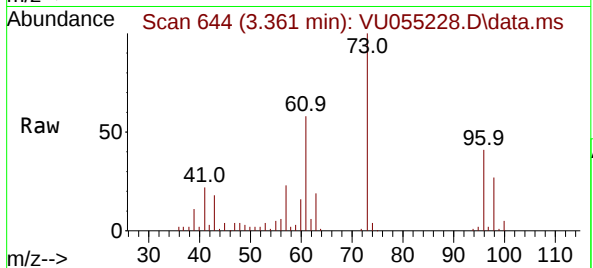
Tgt Ion:	59	Resp:	46900
Ion Ratio	Lower	Upper	
59	100		
57	78.1	105.6	158.4





#25
Methyl tert-Butyl Ether
Concen: 4.702 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

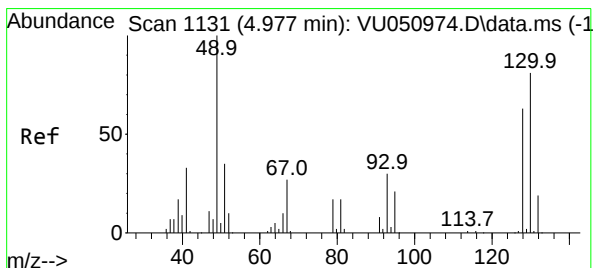
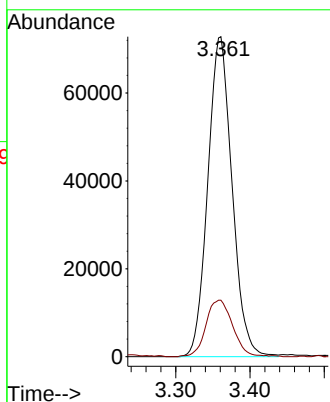
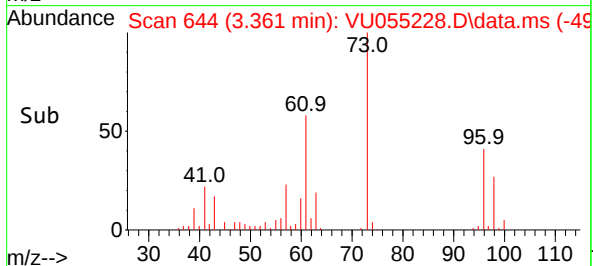
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



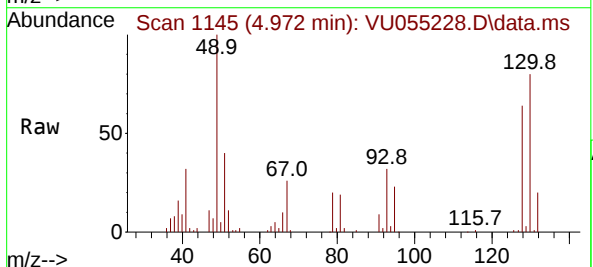
Tgt Ion: 73 Resp: 165270
Ion Ratio Lower Upper
73 100
43 19.5 15.0 22.6

Manual Integrations
APPROVED

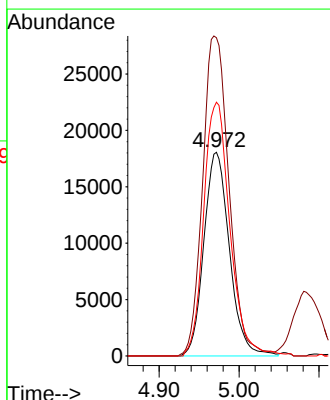
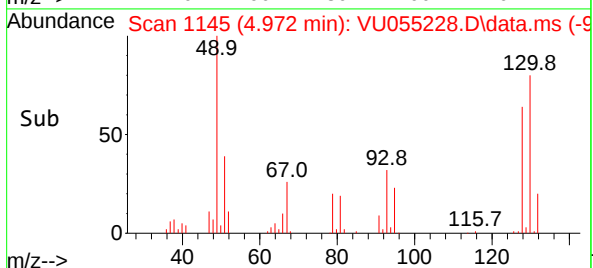
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

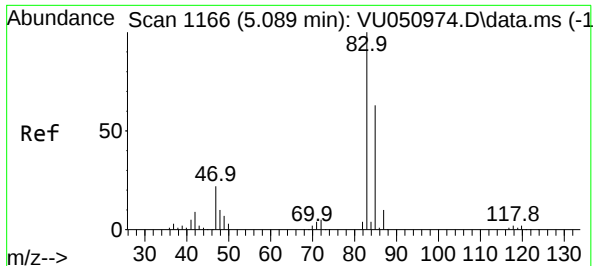


#26
Bromochloromethane
Concen: 5.595 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



Tgt Ion:128 Resp: 40132
Ion Ratio Lower Upper
128 100
49 162.1 0.0 324.6
130 128.0 103.0 154.4





#27

Chloroform

Concen: 5.618 ug/l

RT: 5.084 min Scan# 1166

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 17438

Ion Ratio Lower Upper

83 100

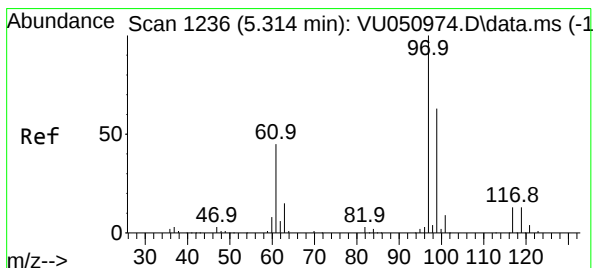
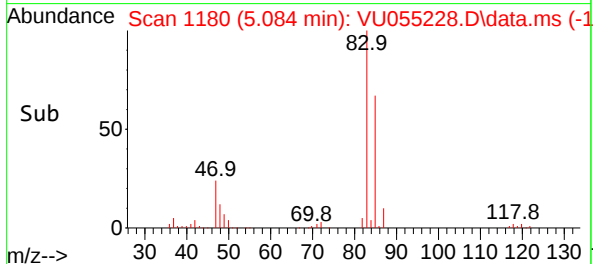
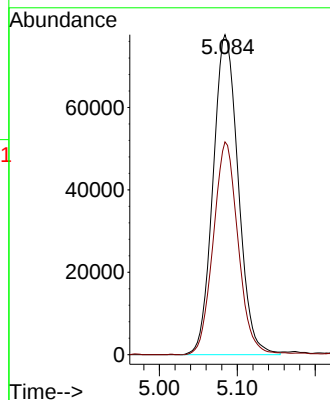
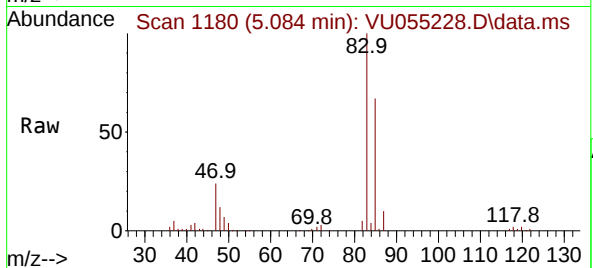
85 66.5 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

1,1,1-Trichloroethane

Concen: 5.651 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

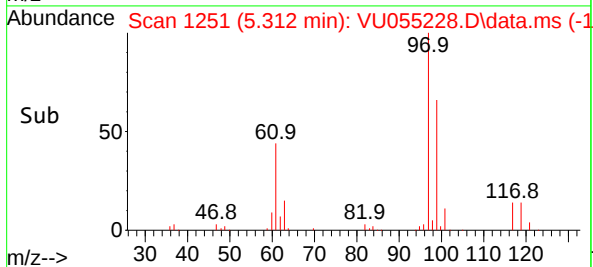
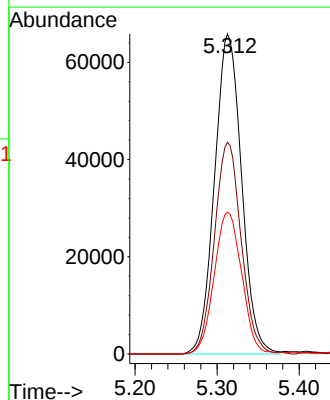
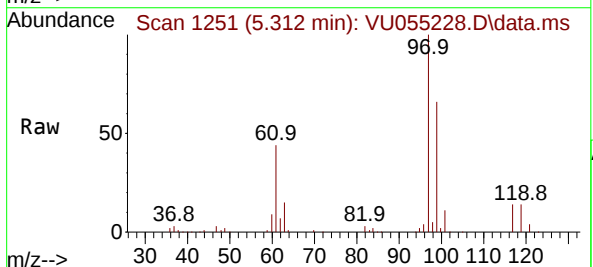
Tgt Ion: 97 Resp: 151220

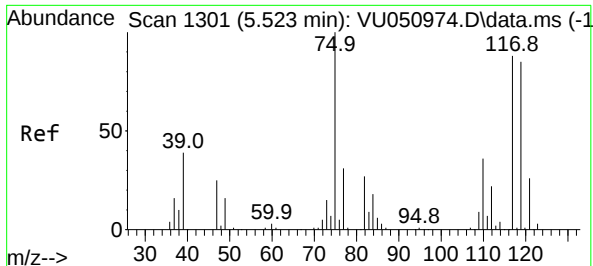
Ion Ratio Lower Upper

97 100

99 65.3 32.0 96.2

61 45.0 22.9 68.5





#29

1,1-Dichloropropene

Concen: 5.444 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. 0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 126050

Ion Ratio Lower Upper

75 100

110 35.1 18.0 54.0

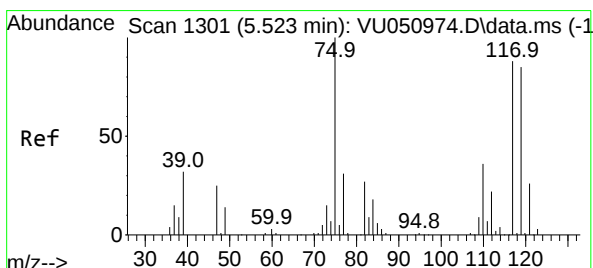
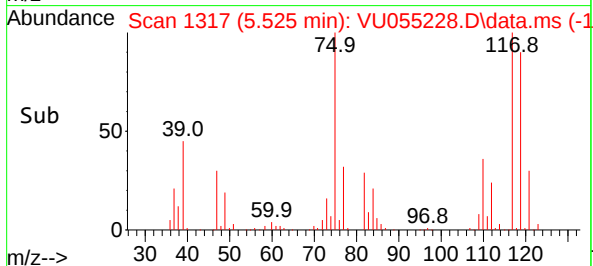
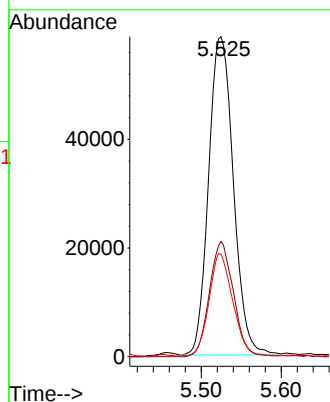
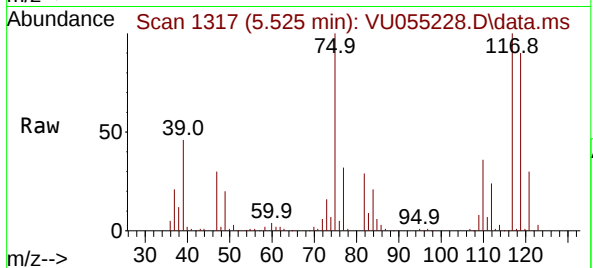
77 30.7 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 5.521 min Scan# 1316

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

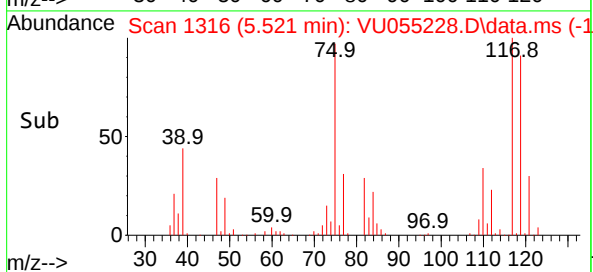
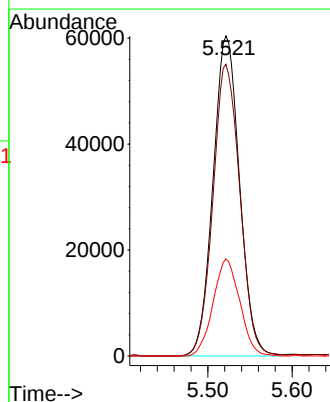
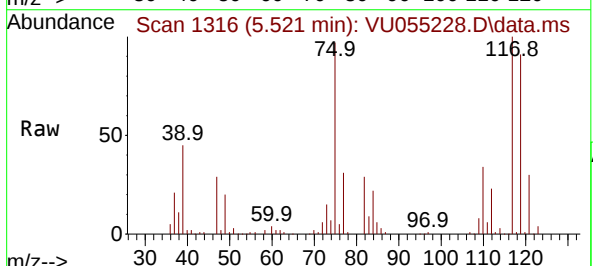
Tgt Ion:117 Resp: 131718

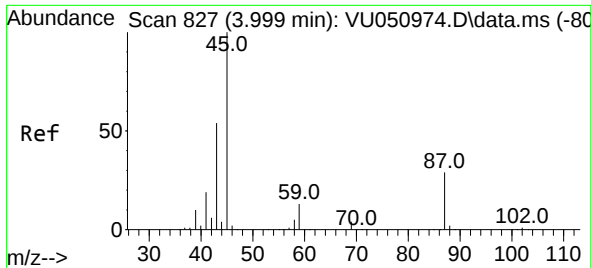
Ion Ratio Lower Upper

117 100

119 91.2 77.4 116.0

121 30.3 24.0 36.0





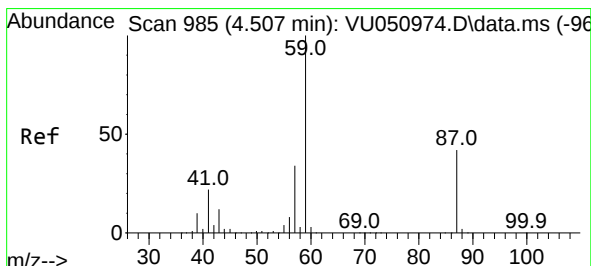
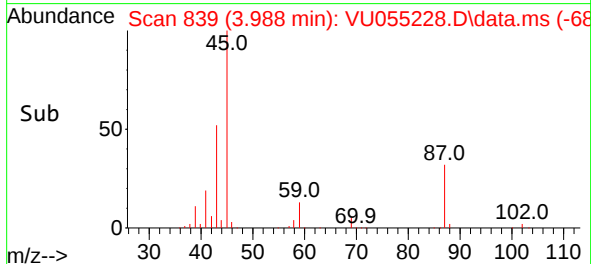
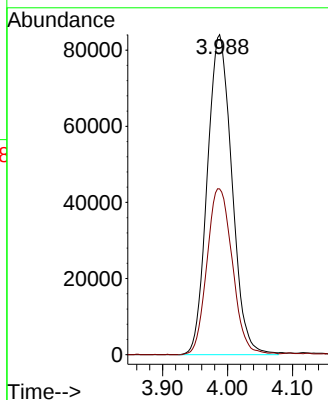
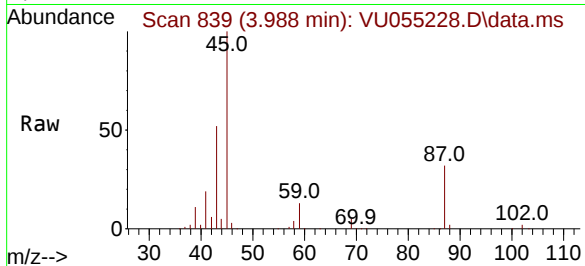
#31
Isopropyl Ether
Concen: 5.377 ug/l
RT: 3.988 min Scan# 811
Delta R.T. -0.011 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 45 Resp: 22119
Ion Ratio Lower Upper
45 100
43 53.4 27.5 82.5

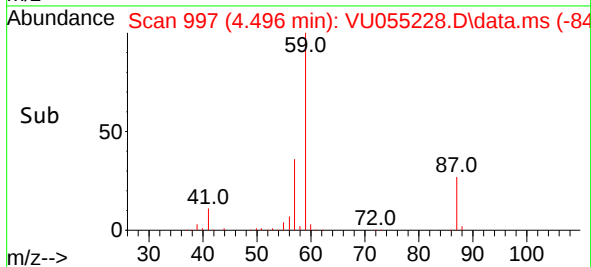
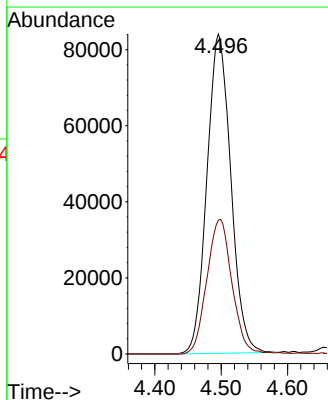
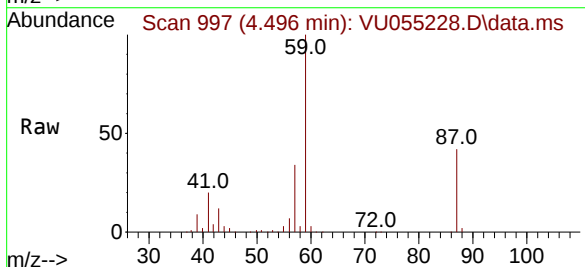
Manual Integrations
APPROVED

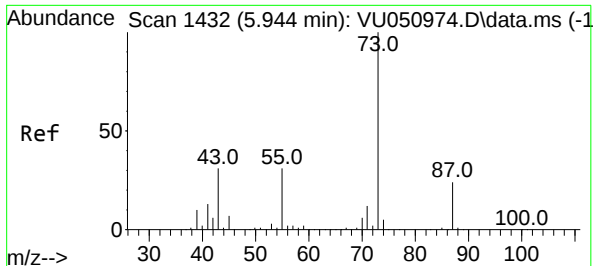
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#32
Ethyl-t-butyl ether
Concen: 4.977 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.011 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

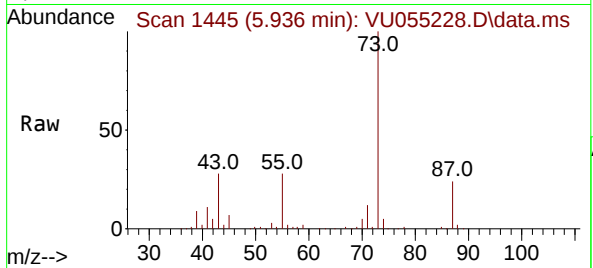
Tgt Ion: 59 Resp: 210316
Ion Ratio Lower Upper
59 100
87 43.3 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 5.003 ug/l
RT: 5.936 min Scan# 1432
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

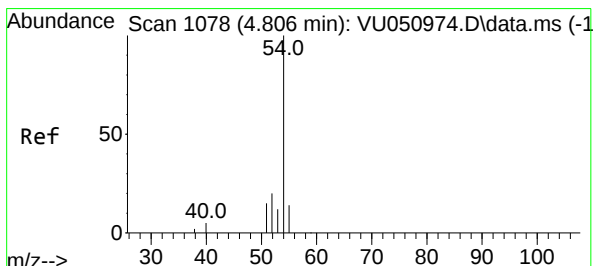
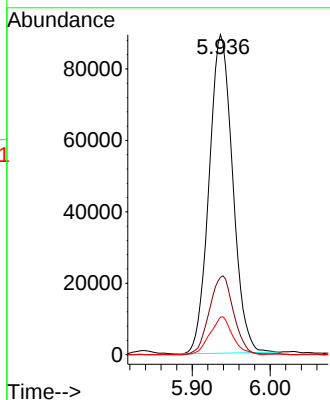
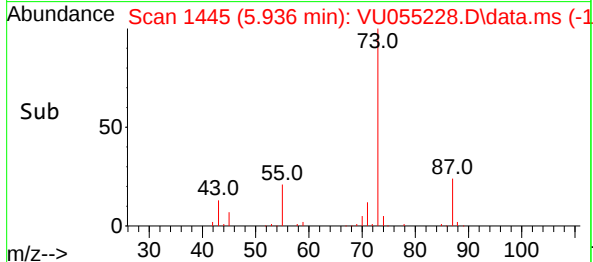
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



Tgt Ion: 73 Resp: 18798
Ion Ratio Lower Upper
73 100
87 25.1 18.6 28.0
71 11.5 9.9 14.9

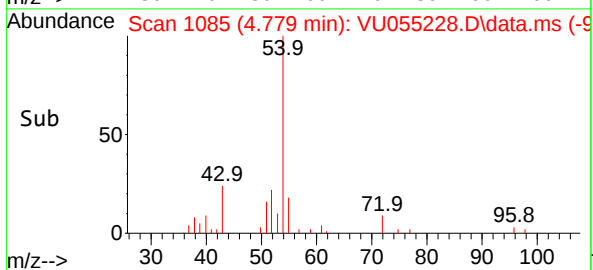
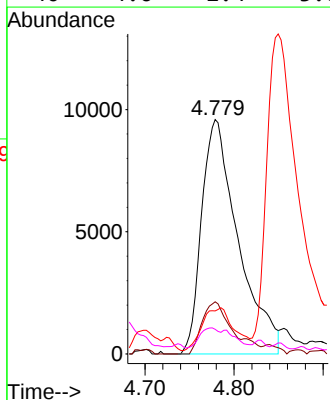
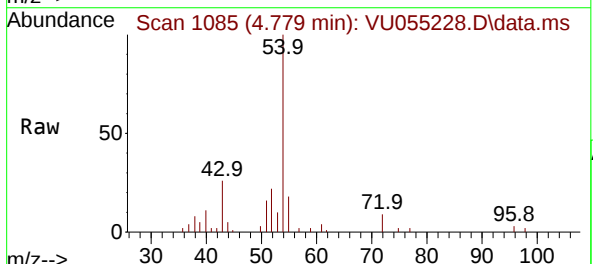
Manual Integrations
APPROVED

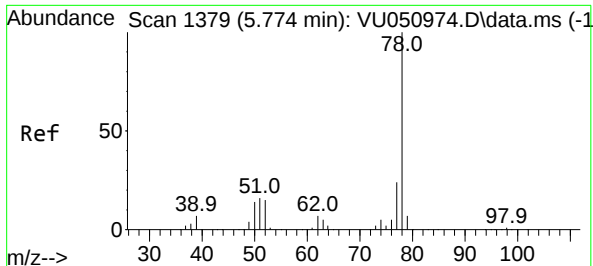
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#34
Propionitrile
Concen: 26.374 ug/l
RT: 4.779 min Scan# 1085
Delta R.T. -0.027 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 54 Resp: 27336
Ion Ratio Lower Upper
54 100
52 18.5 17.4 26.0
55 15.9 104.1 156.1#
40 4.6 2.4 3.6#





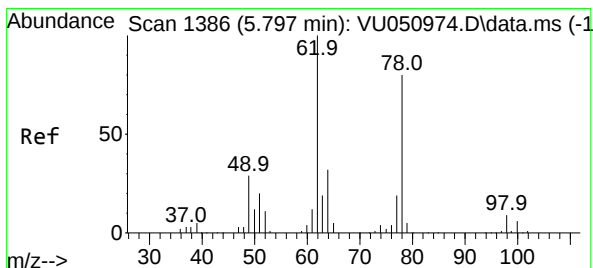
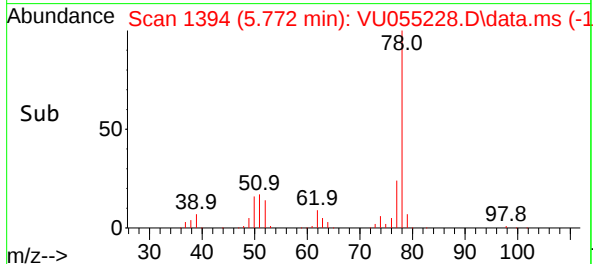
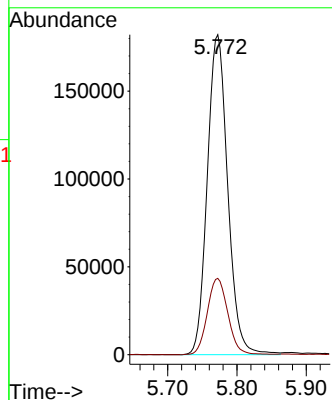
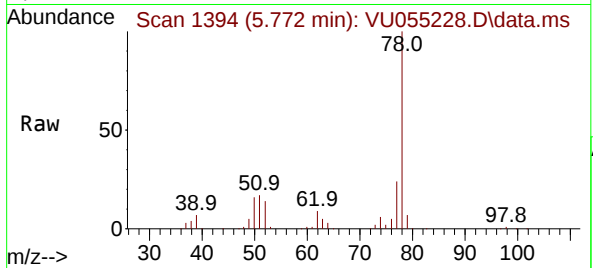
#35
Benzene
Concen: 5.505 ug/l
RT: 5.772 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 78 Resp: 37293
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

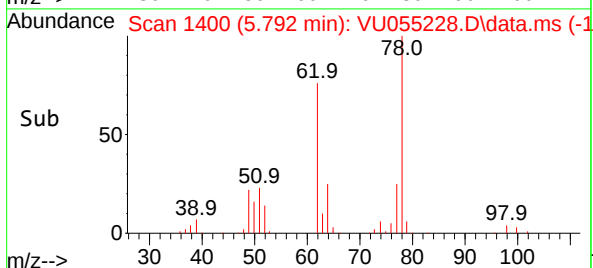
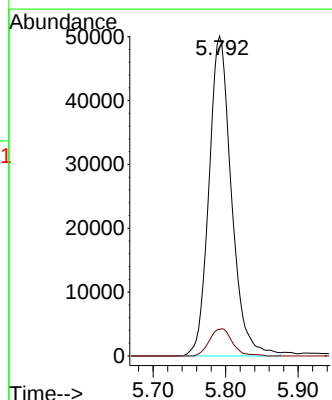
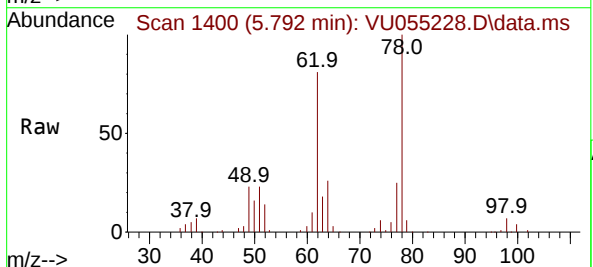
Manual Integrations
APPROVED

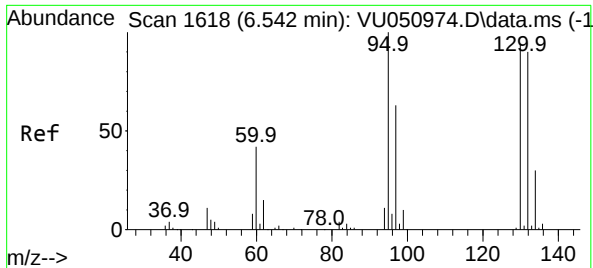
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 5.552 ug/l
RT: 5.792 min Scan# 1400
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 62 Resp: 108040
Ion Ratio Lower Upper
62 100
98 8.7 7.3 10.9





#37

Trichloroethene

Concen: 6.085 ug/l

RT: 6.541 min Scan# 1710

Delta R.T. -0.001 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 10366

Ion Ratio Lower Upper

130 100

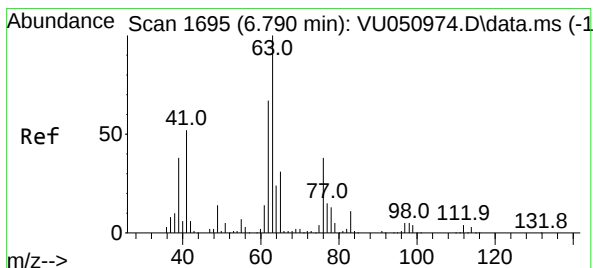
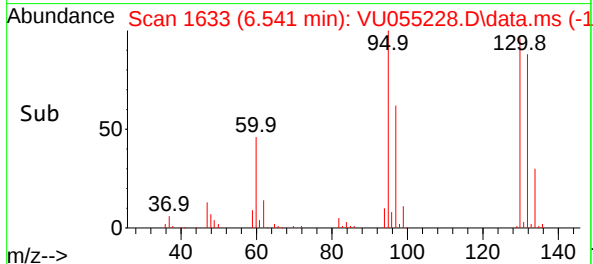
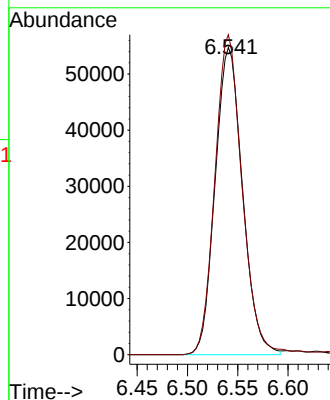
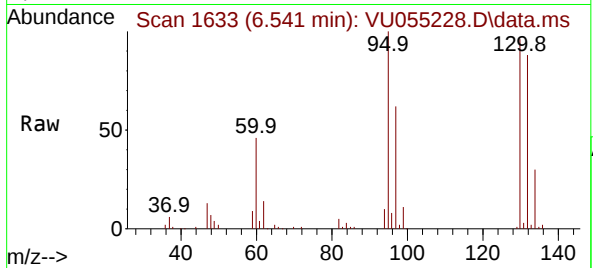
95 104.2 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

1,2-Dichloropropane

Concen: 5.587 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. -0.002 min

Lab File: VU055228.D

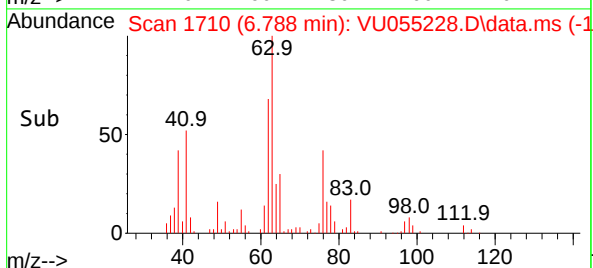
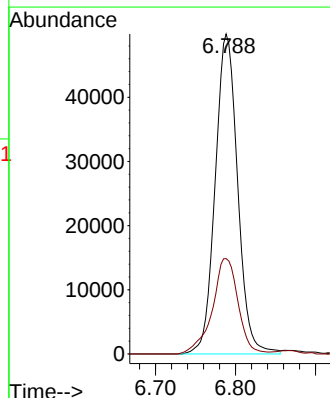
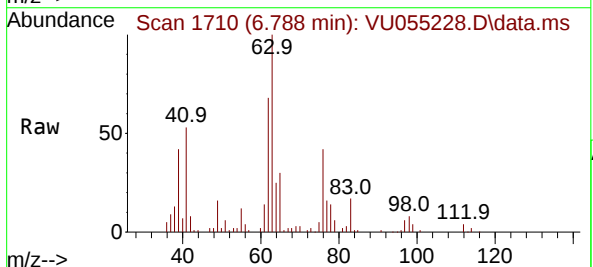
Acq: 11 Sep 2023 10:26

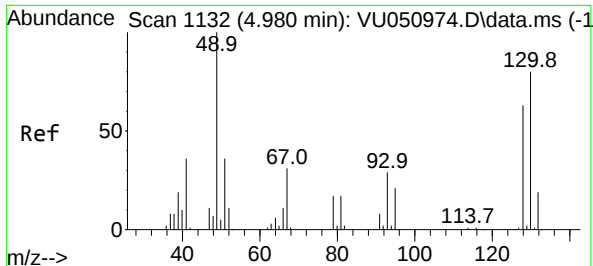
Tgt Ion: 63 Resp: 96966

Ion Ratio Lower Upper

63 100

65 29.6 24.9 37.3





#39

Methacrylonitrile

Concen: 5.109 ug/l

RT: 4.975 min Scan# 1132

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 21614

Ion Ratio Lower Upper

41 100

67 87.1 66.8 100.2

39 52.8 41.2 61.8

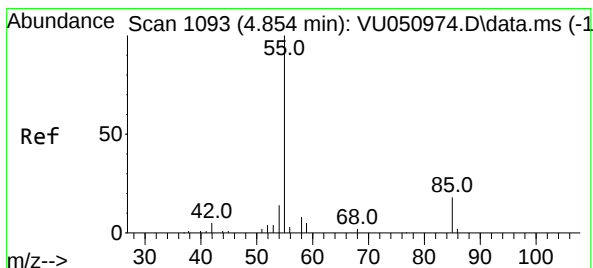
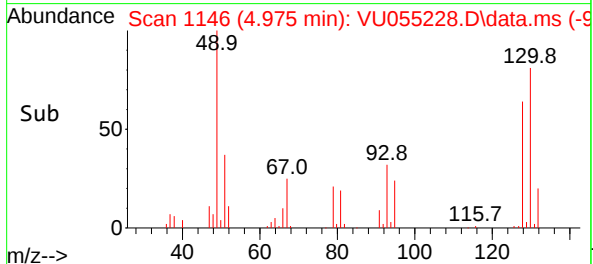
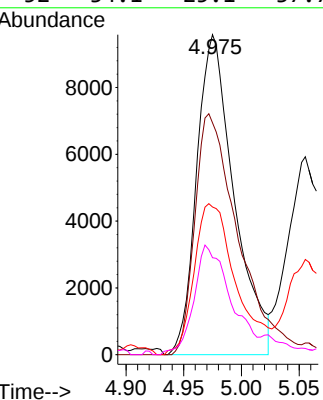
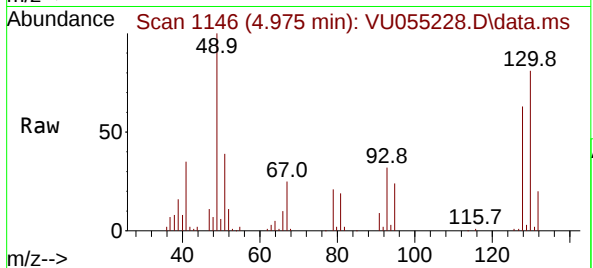
52 34.1 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Methyl acrylate

Concen: 4.671 ug/l

RT: 4.849 min Scan# 1107

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Tgt Ion: 55 Resp: 35828

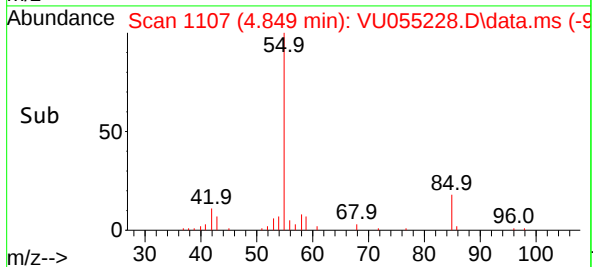
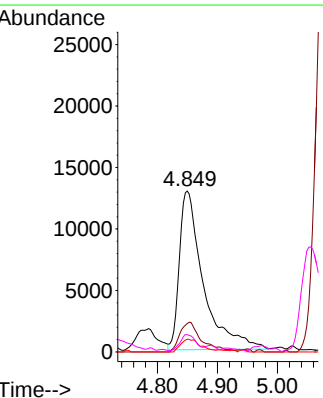
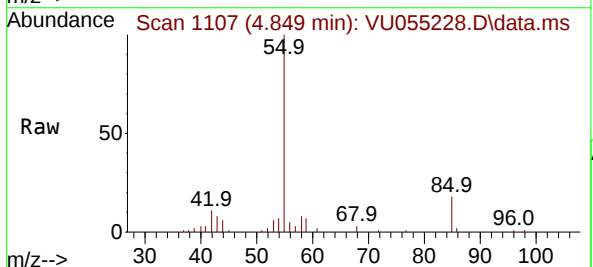
Ion Ratio Lower Upper

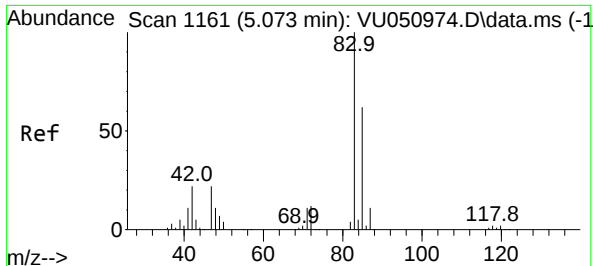
55 100

85 16.9 13.3 19.9

58 6.6 6.5 9.7

42 6.5 5.9 8.9





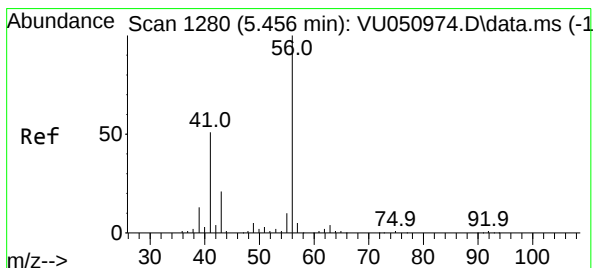
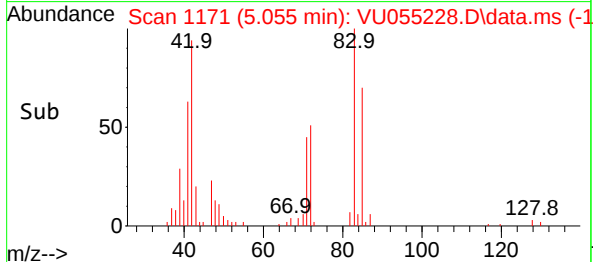
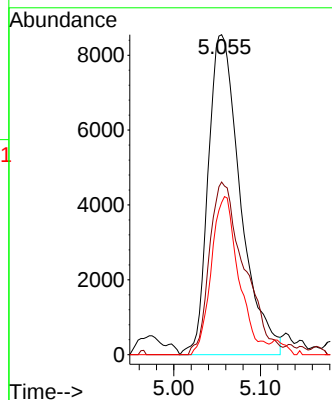
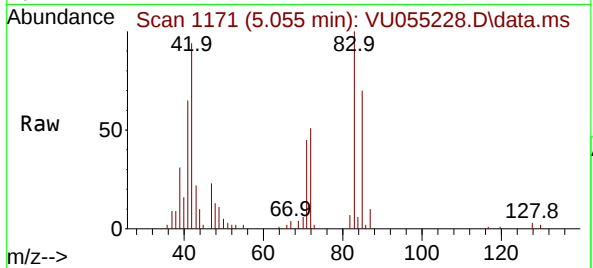
#41
Tetrahydrofuran
Concen: 9.997 ug/l
RT: 5.055 min Scan# 1161
Delta R.T. -0.018 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 2208
Ion Ratio Lower Upper
42 100
72 58.1 40.9 61.3
71 42.5 36.9 55.3

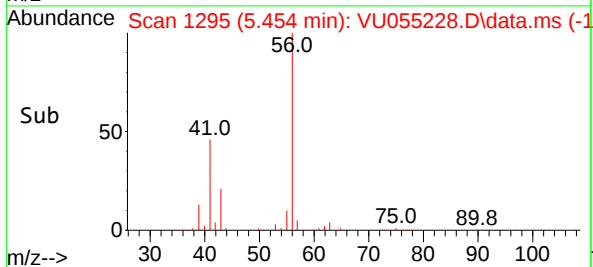
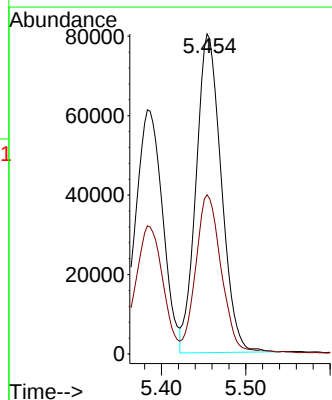
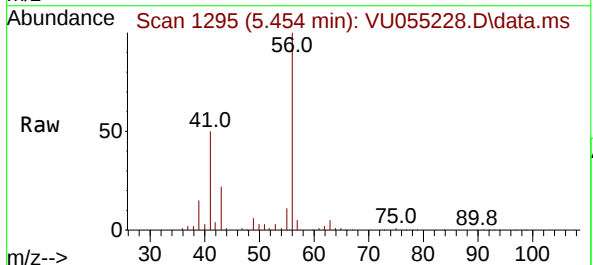
Manual Integrations
APPROVED

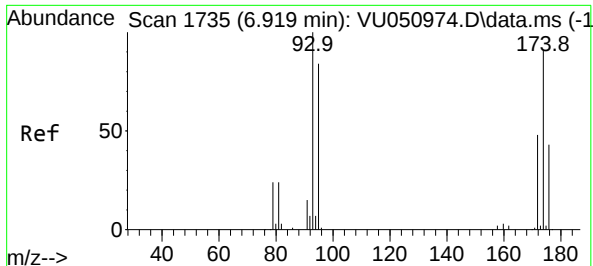
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#42
1-Chlorobutane
Concen: 5.412 ug/l
RT: 5.454 min Scan# 1295
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

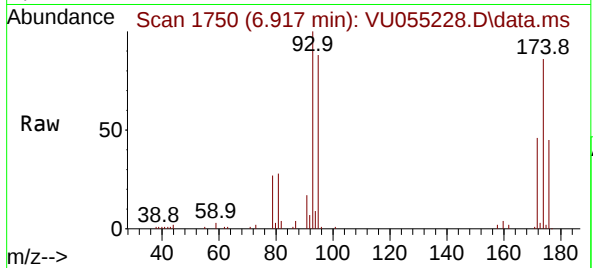
Tgt Ion: 56 Resp: 166681
Ion Ratio Lower Upper
56 100
41 48.6 25.2 75.6





#43
Dibromomethane
Concen: 5.632 ug/l
RT: 6.917 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

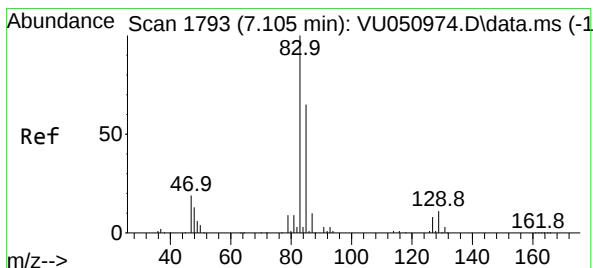
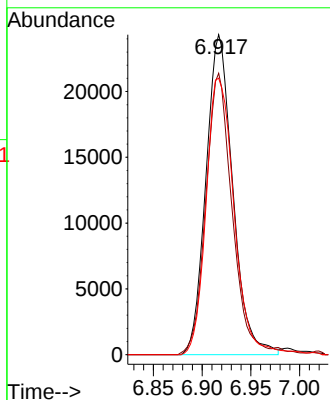
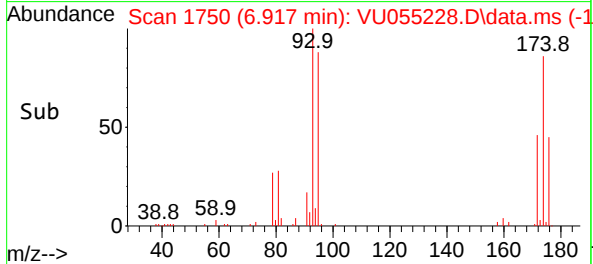
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



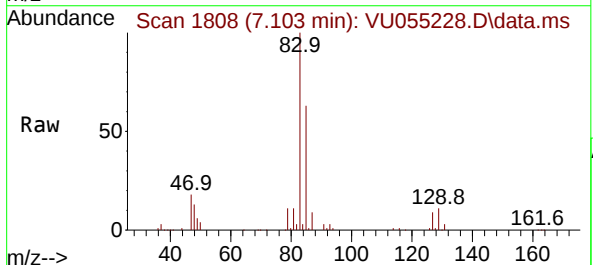
Tgt Ion: 93 Resp: 46572
Ion Ratio Lower Upper
93 100
95 85.9 67.0 100.6
174 90.4 73.8 110.6

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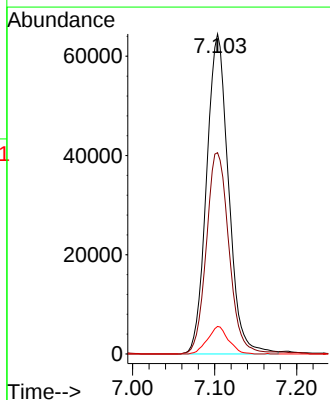
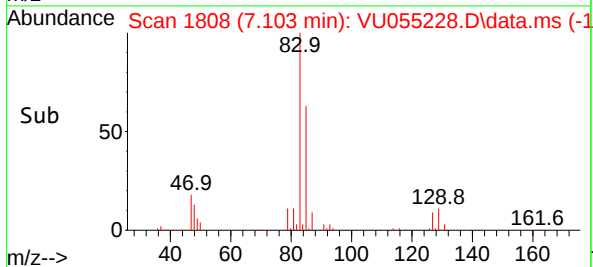
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

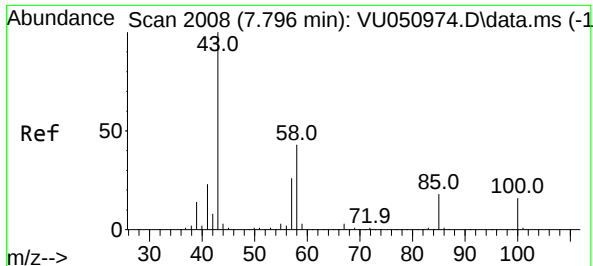


#44
Bromodichloromethane
Concen: 5.820 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



Tgt Ion: 83 Resp: 120348
Ion Ratio Lower Upper
83 100
85 62.9 51.9 77.9
127 9.4 6.7 10.1





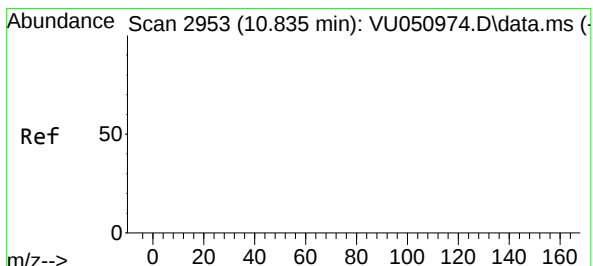
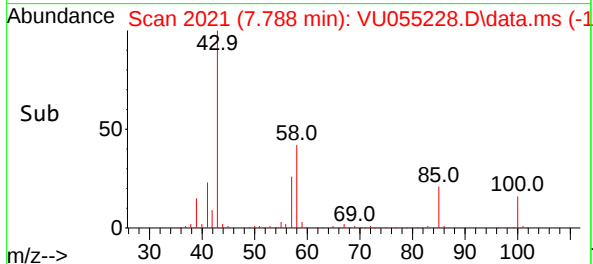
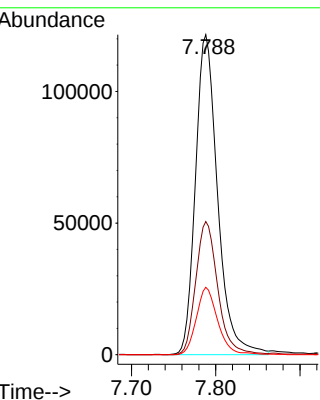
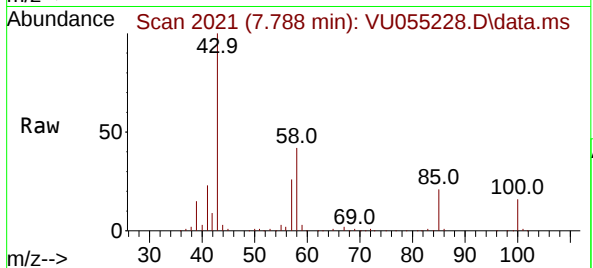
#45
4-Methyl-2-Pentanone
Concen: 25.926 ug/l
RT: 7.788 min Scan# 2008
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 222372
Ion Ratio Lower Upper
43 100
58 41.3 20.9 62.8
85 20.2 14.6 21.8

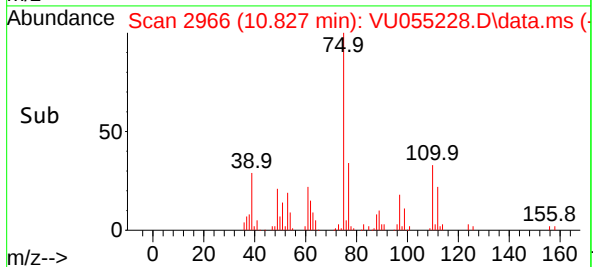
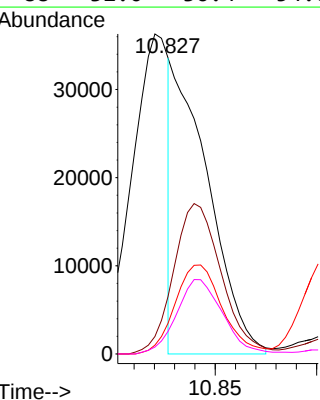
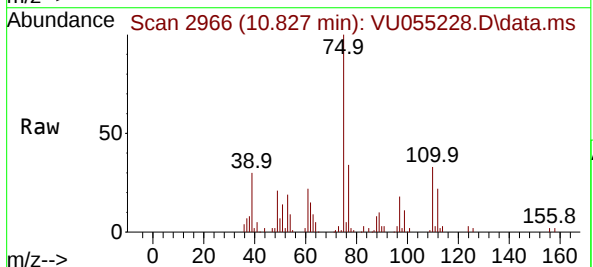
Manual Integrations
APPROVED

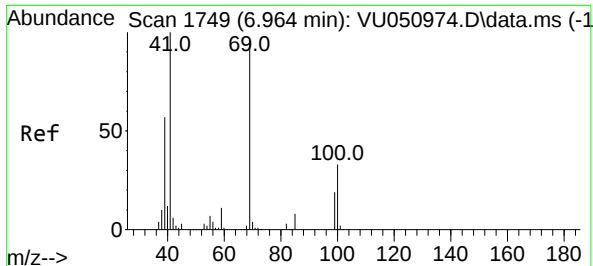
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#46
t-1,4-Dichloro-2-butene
Concen: 8.902 ug/l m
RT: 10.827 min Scan# 2966
Delta R.T. -0.008 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 75 Resp: 41861
Ion Ratio Lower Upper
75 100
53 66.8 73.3 109.9#
89 39.1 48.2 72.4#
88 32.0 36.4 54.6#





#47

Methyl methacrylate

Concen: 10.022 ug/l

RT: 6.959 min Scan# 1763

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 69 Resp: 76194

Ion Ratio Lower Upper

69 100

41 99.8 0.0 209.2

39 61.0 46.7 70.1

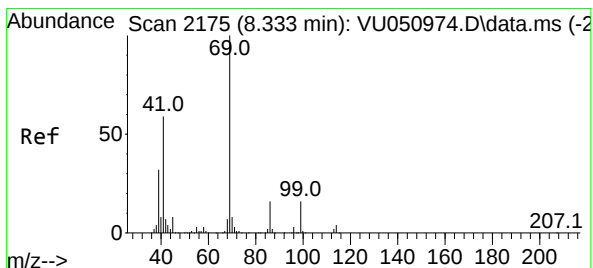
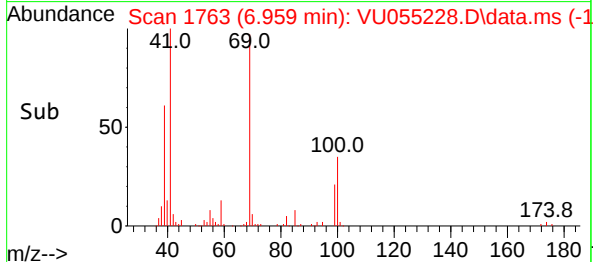
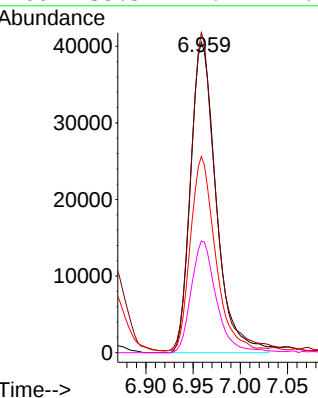
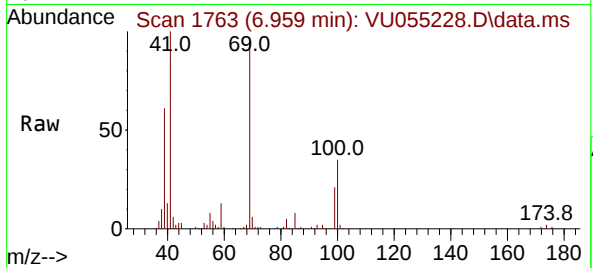
100 35.5 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Ethyl methacrylate

Concen: 4.810 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.001 min

Lab File: VU055228.D

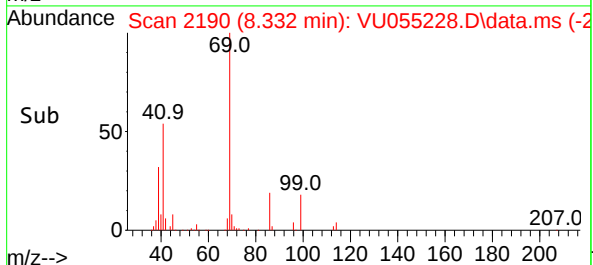
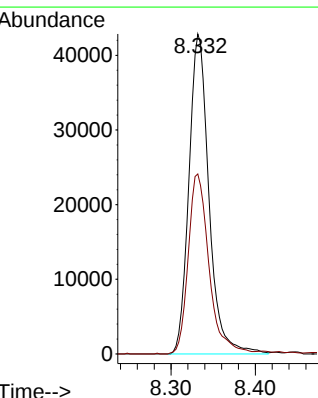
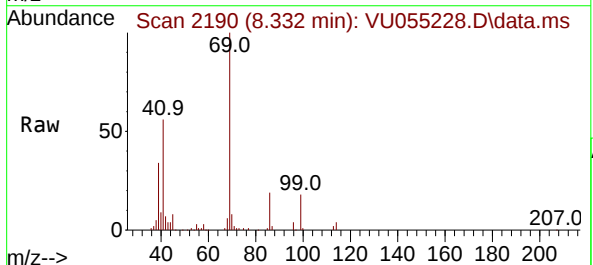
Acq: 11 Sep 2023 10:26

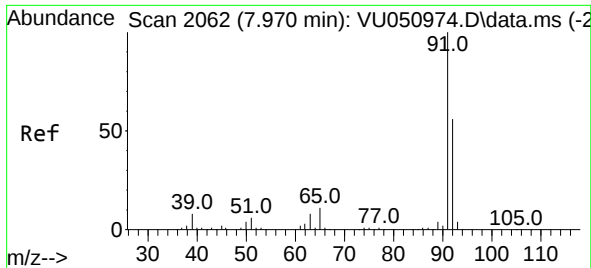
Tgt Ion: 69 Resp: 70921

Ion Ratio Lower Upper

69 100

41 58.5 30.3 90.8





#49

Toluene

Concen: 5.536 ug/l

RT: 7.968 min Scan# 2062

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 92 Resp: 229839

Ion Ratio Lower Upper

92 100

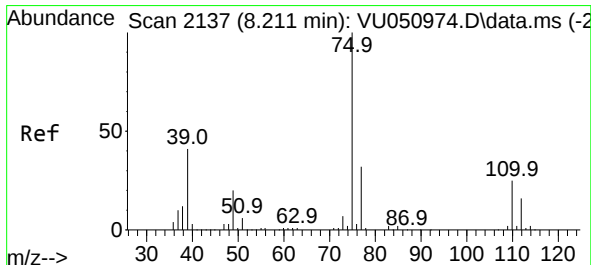
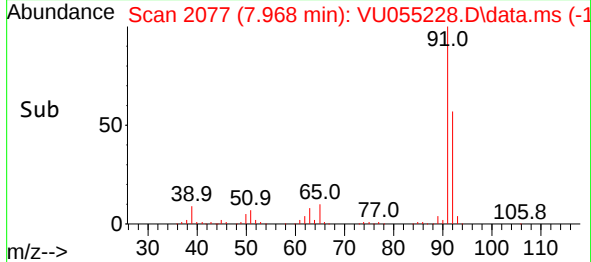
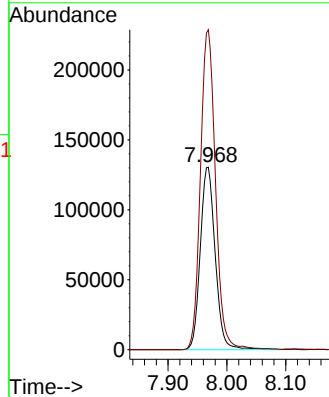
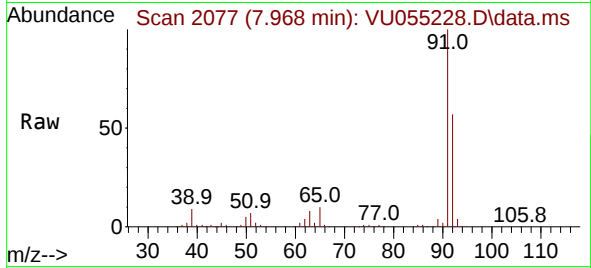
91 176.8 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

t-1,3-Dichloropropene

Concen: 5.184 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. -0.002 min

Lab File: VU055228.D

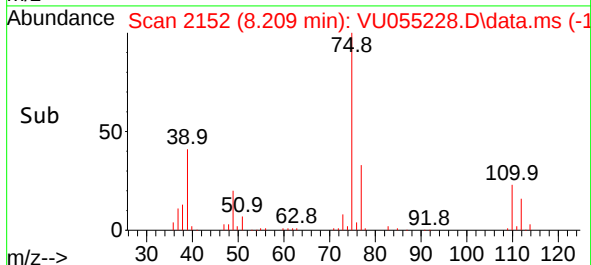
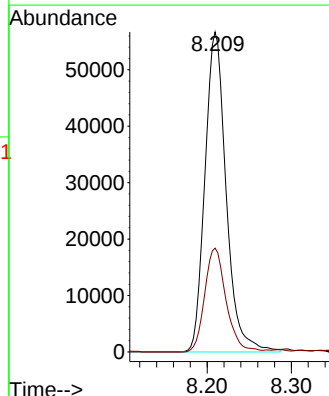
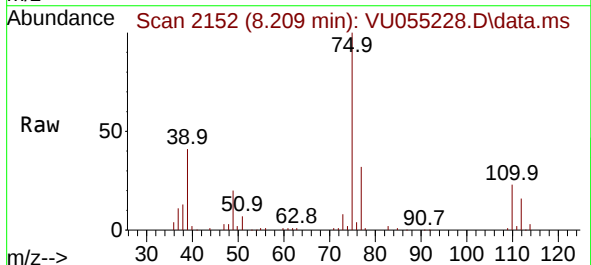
Acq: 11 Sep 2023 10:26

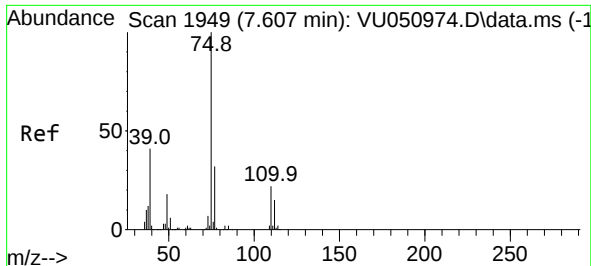
Tgt Ion: 75 Resp: 99293

Ion Ratio Lower Upper

75 100

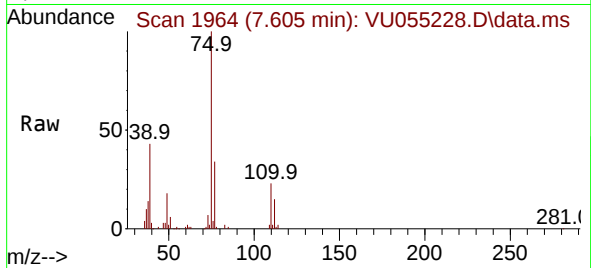
77 32.5 25.3 37.9





#51
cis-1,3-Dichloropropene
Concen: 5.284 ug/l
RT: 7.605 min Scan# 1949
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

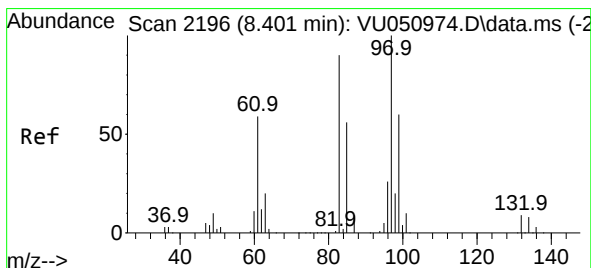
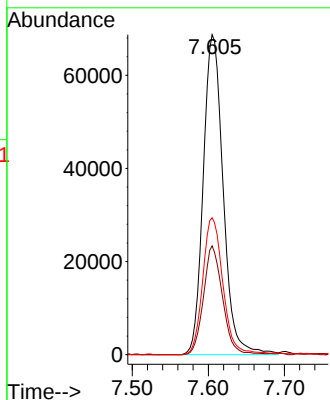
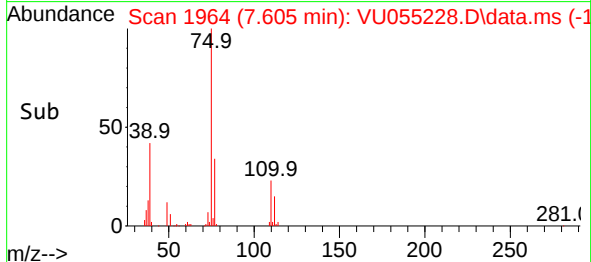
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 125340
Ion Ratio Lower Upper
75 100
77 34.0 25.7 38.5
39 42.8 32.8 49.2

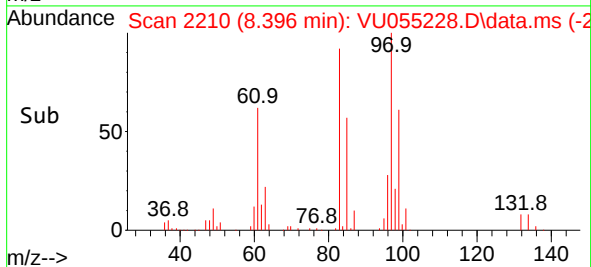
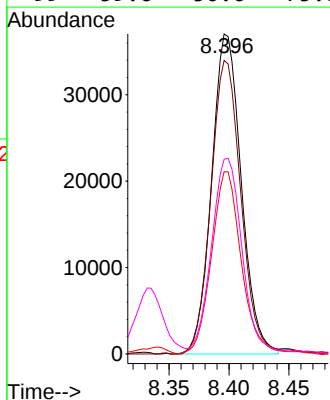
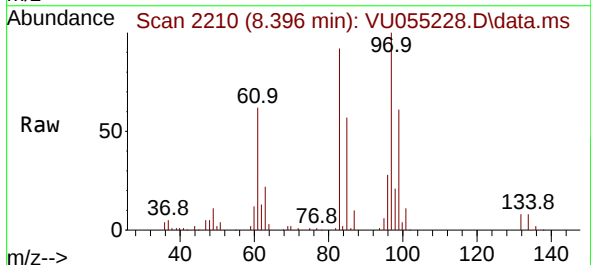
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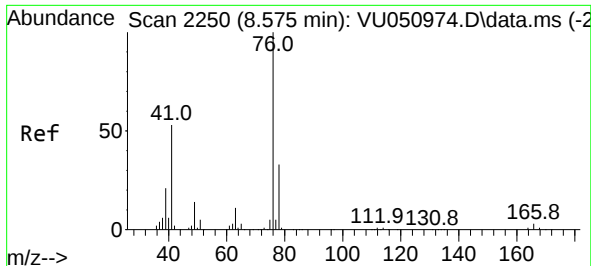
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#52
1,1,2-Trichloroethane
Concen: 5.307 ug/l
RT: 8.396 min Scan# 2210
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion: 97 Resp: 63634
Ion Ratio Lower Upper
97 100
83 91.8 71.8 107.8
85 56.9 45.2 67.8
99 59.6 50.6 75.8





#53

1,3-Dichloropropane

Concen: 5.405 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 11179

Ion Ratio Lower Upper

76 100

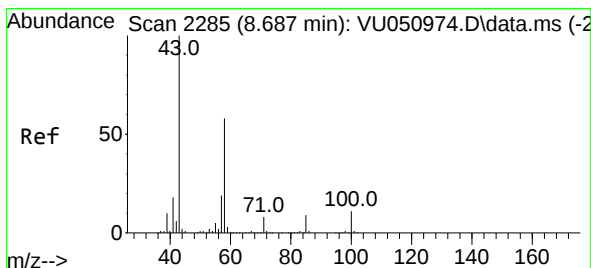
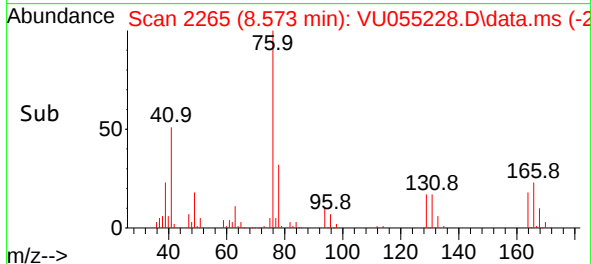
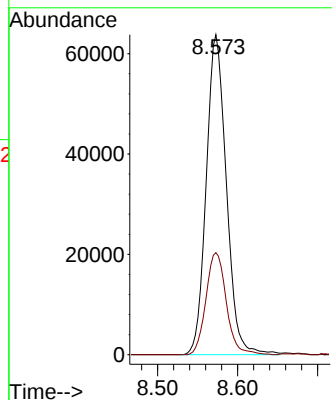
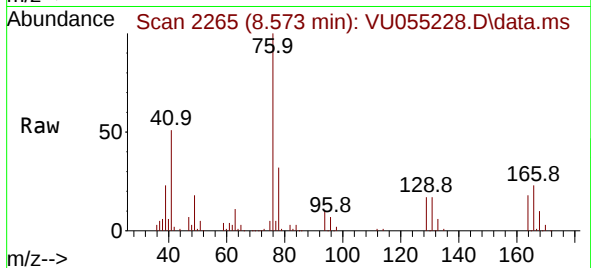
78 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

2-Hexanone

Concen: 22.219 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. -0.005 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

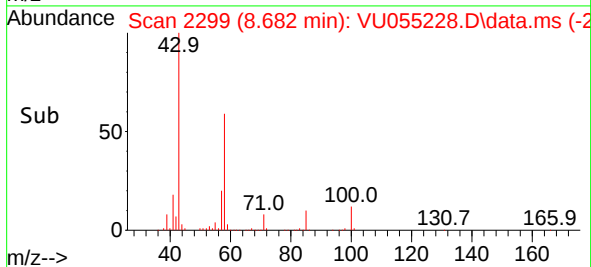
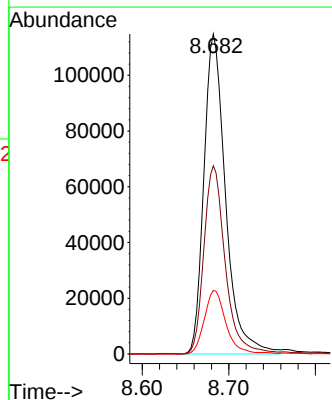
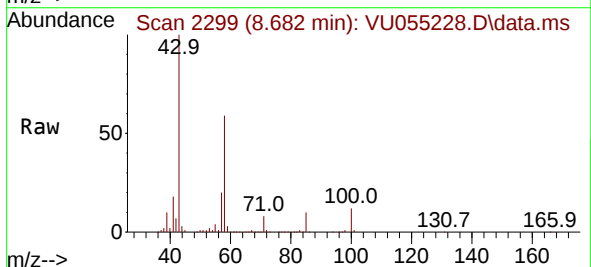
Tgt Ion: 43 Resp: 199947

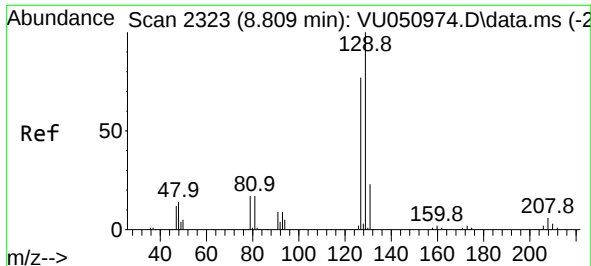
Ion Ratio Lower Upper

43 100

58 57.7 38.2 78.2

57 19.5 0.0 39.1





#55

Dibromochloromethane

Concen: 6.151 ug/l

RT: 8.807 min Scan# 21

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:129 Resp: 7507

Ion Ratio Lower Upper

129 100

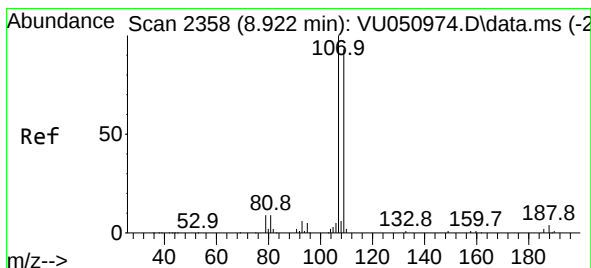
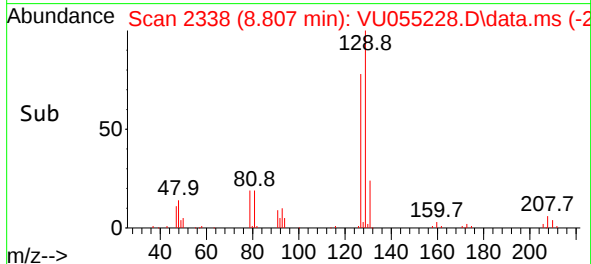
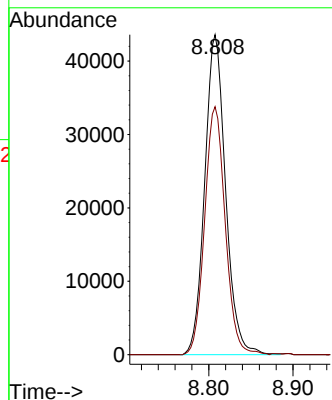
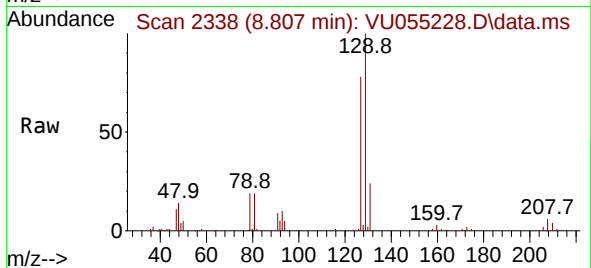
127 76.4 61.4 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

1,2-Dibromoethane

Concen: 5.427 ug/l

RT: 8.923 min Scan# 2374

Delta R.T. 0.001 min

Lab File: VU055228.D

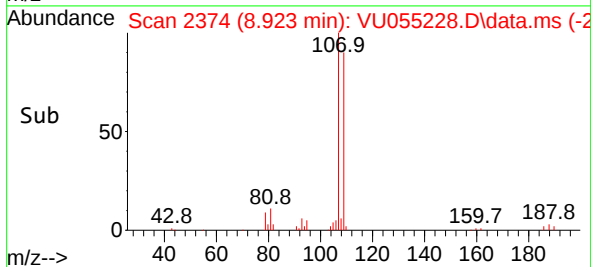
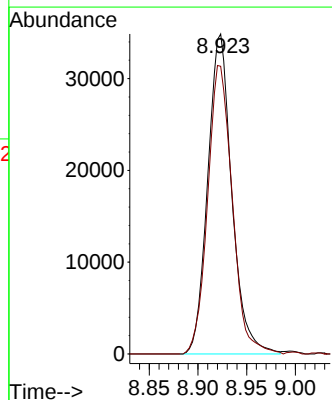
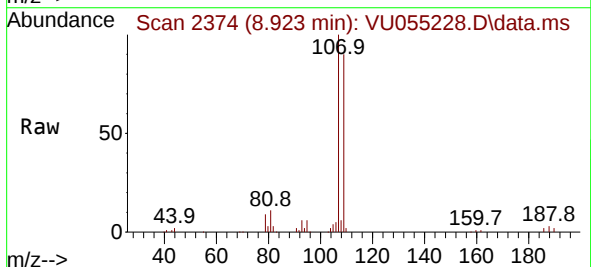
Acq: 11 Sep 2023 10:26

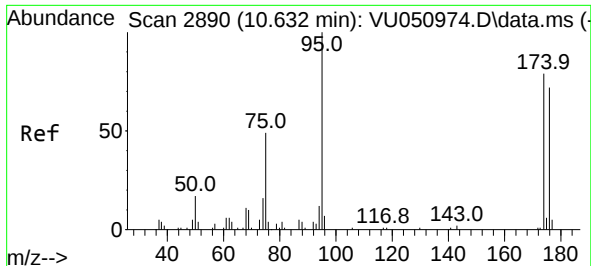
Tgt Ion:107 Resp: 59948

Ion Ratio Lower Upper

107 100

109 92.2 0.0 184.4





#57

4-Bromofluorobenzene

Concen: 1.092 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.001 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 95 Resp: 2366

Ion Ratio Lower Upper

95 100

174 73.3 63.3 94.9

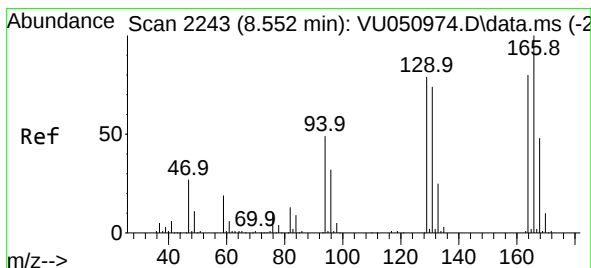
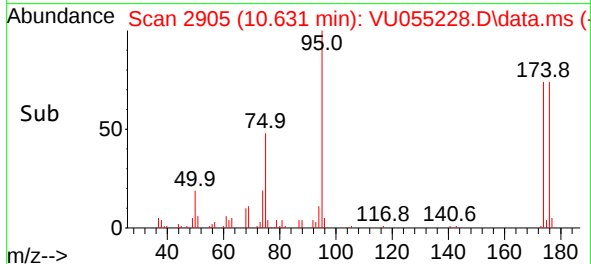
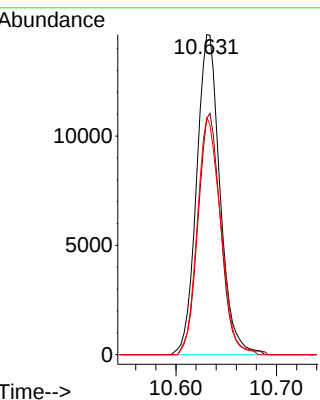
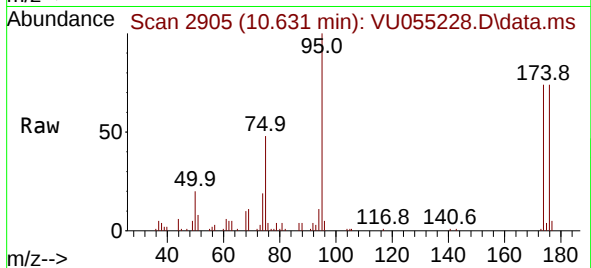
176 74.0 59.3 88.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

Tetrachloroethene

Concen: 7.321 ug/l

RT: 8.550 min Scan# 2258

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Tgt Ion:164 Resp: 116625

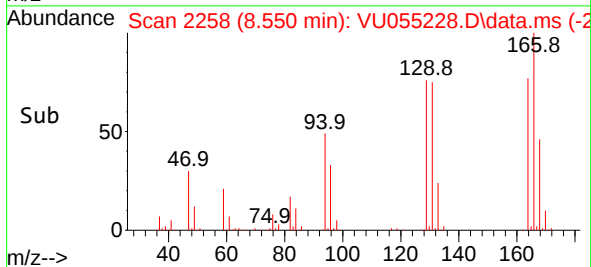
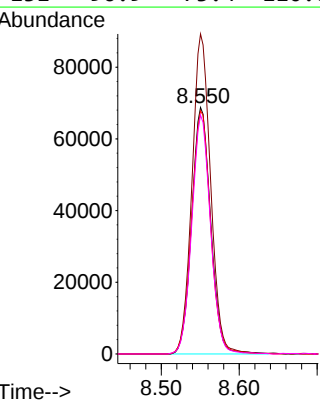
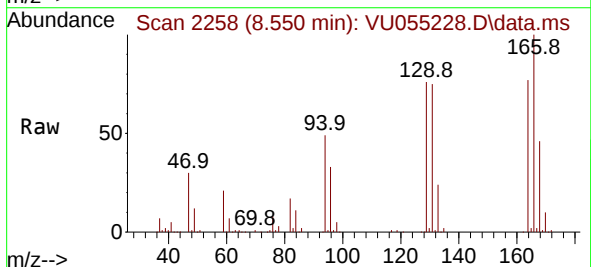
Ion Ratio Lower Upper

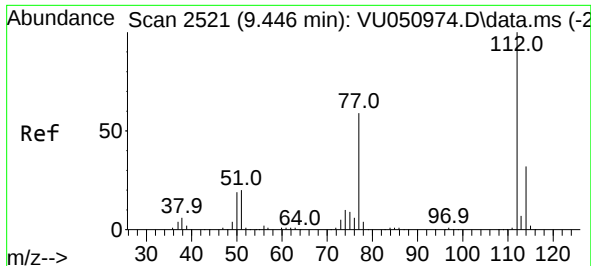
164 100

166 129.8 99.6 149.4

129 98.7 78.6 117.8

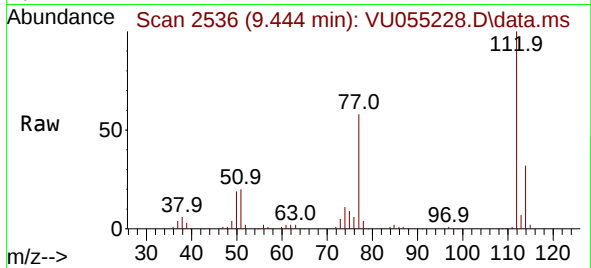
131 96.9 73.4 110.0





#59
Chlorobenzene
Concen: 5.545 ug/l
RT: 9.444 min Scan# 25347
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

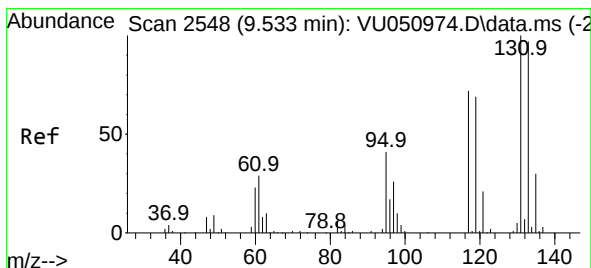
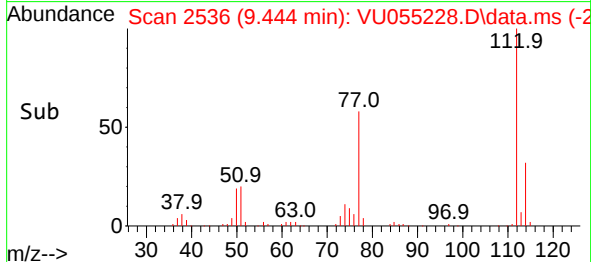
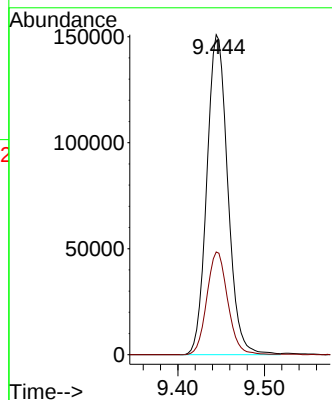
Instrument : MSVOA_U
ClientSampleId : VSTDIC005



Tgt Ion:112 Resp: 25347
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

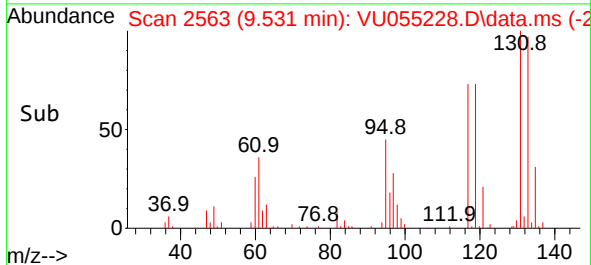
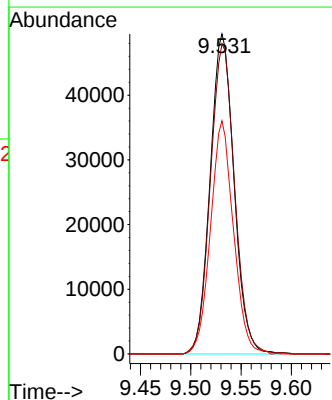
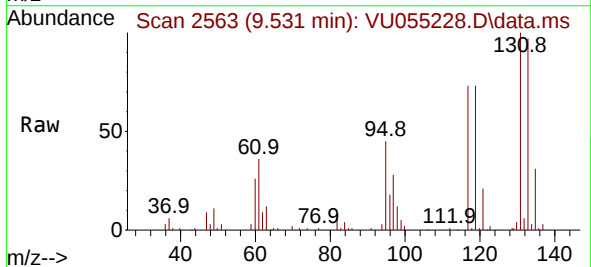
Manual Integrations
APPROVED

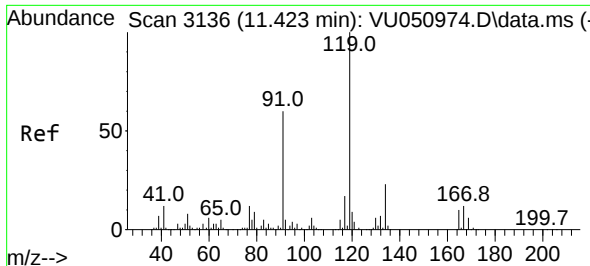
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 5.880 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:131 Resp: 81693
Ion Ratio Lower Upper
131 100
133 98.6 77.8 116.6
119 70.0 55.2 82.8





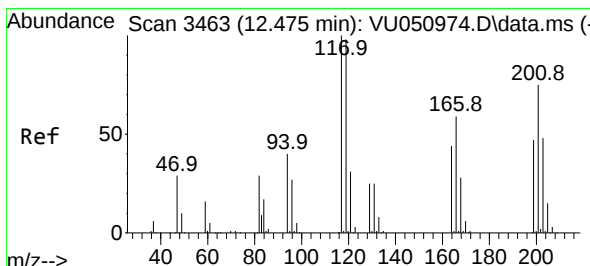
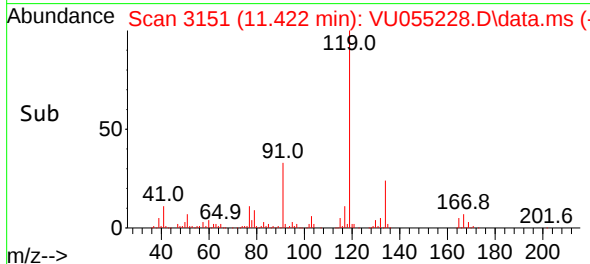
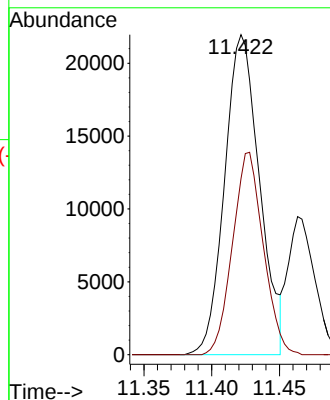
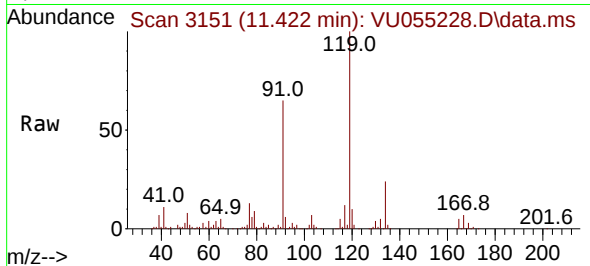
#61
Pentachloroethane
Concen: 4.036 ug/l
RT: 11.422 min Scan# 3136
Delta R.T. -0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 39394
Ion Ratio Lower Upper
117 100
167 55.6 56.7 85.1

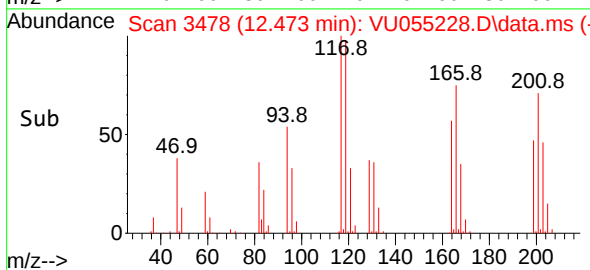
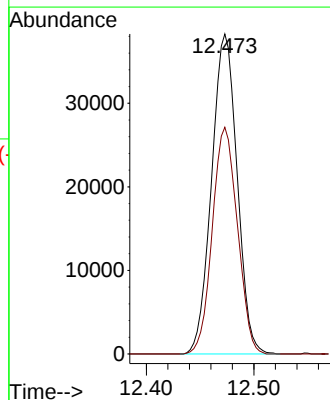
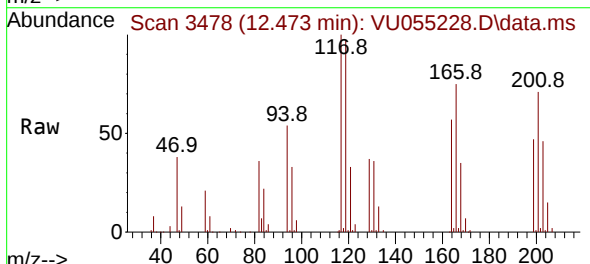
Manual Integrations
APPROVED

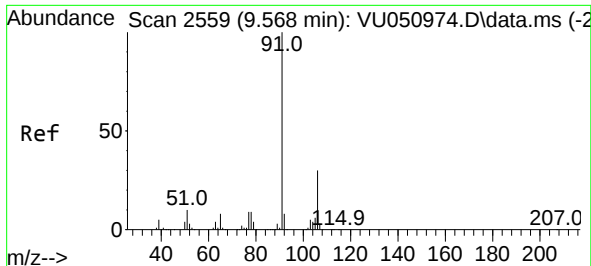
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
Hexachloroethane
Concen: 5.630 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:117 Resp: 63209
Ion Ratio Lower Upper
117 100
201 69.6 59.6 89.4





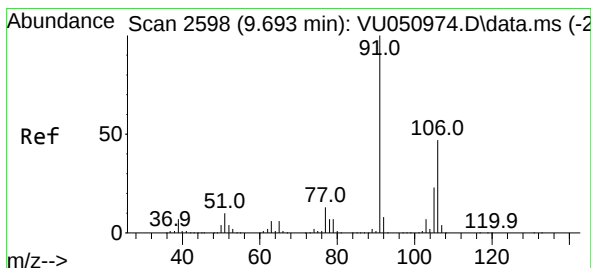
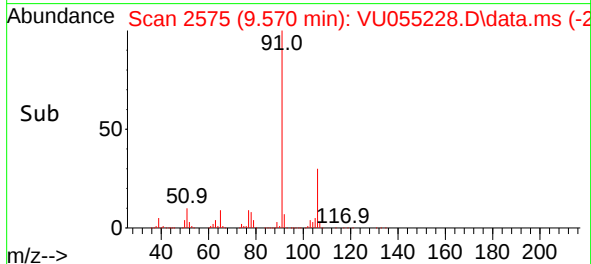
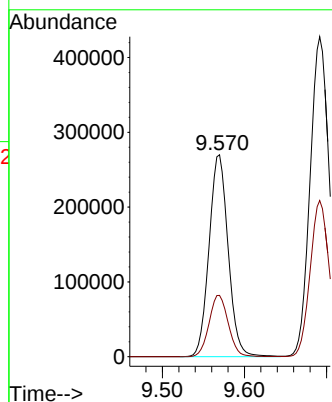
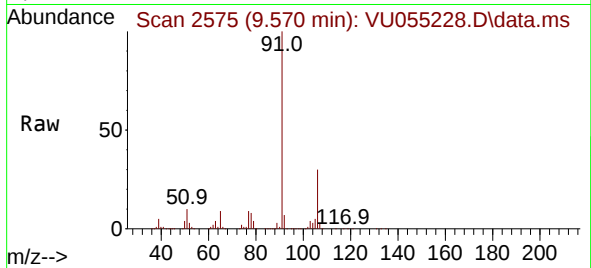
#63
Ethyl Benzene
Concen: 5.446 ug/l
RT: 9.570 min Scan# 21
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 436530
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2

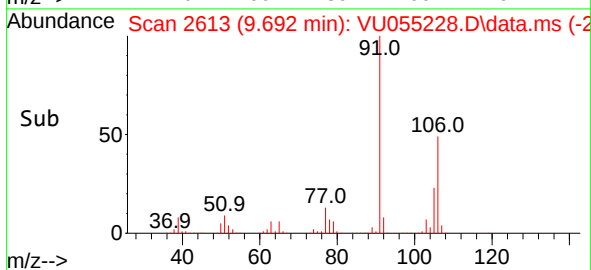
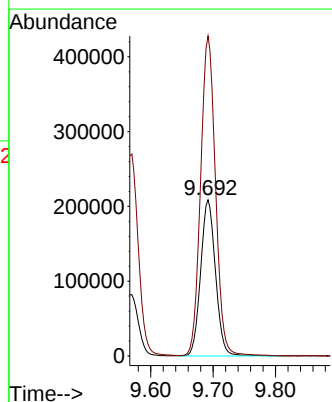
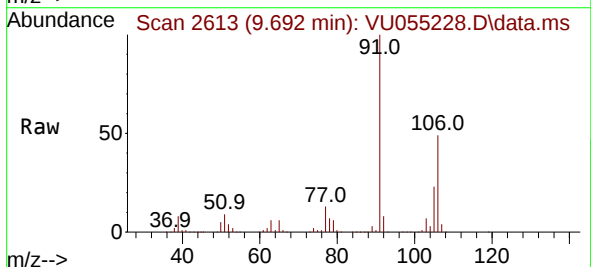
Manual Integrations
APPROVED

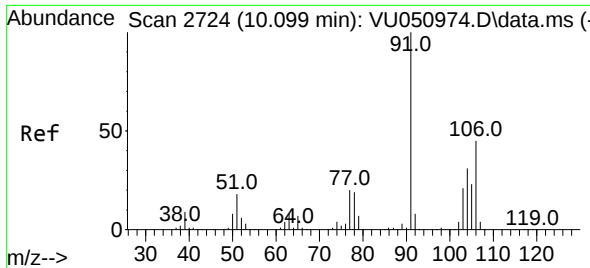
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
m/p-Xylenes
Concen: 11.280 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:106 Resp: 345714
Ion Ratio Lower Upper
106 100
91 205.9 167.3 250.9





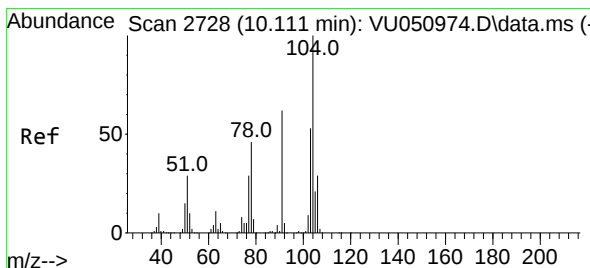
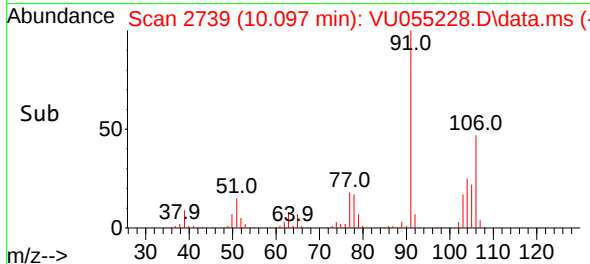
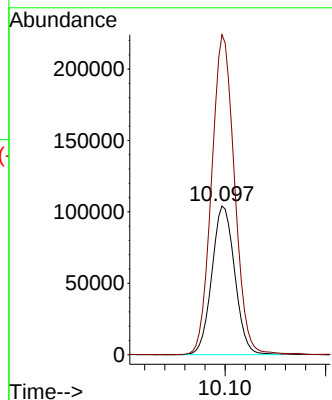
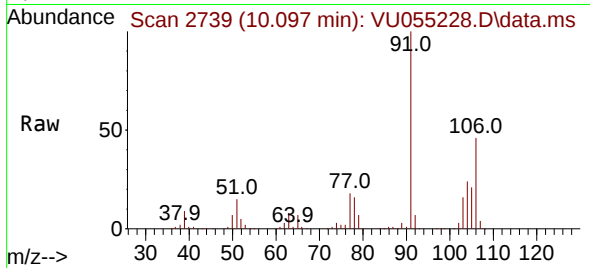
#65
o-Xylene
Concen: 5.485 ug/l
RT: 10.097 min Scan# 21
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 164532
Ion Ratio Lower Upper
106 100
91 216.1 109.3 327.9

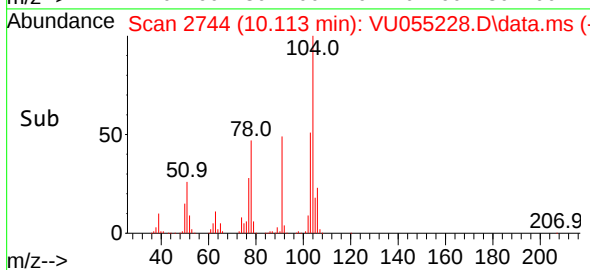
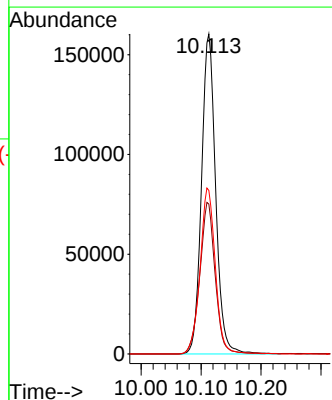
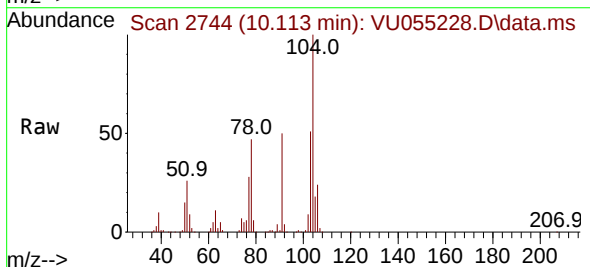
Manual Integrations
APPROVED

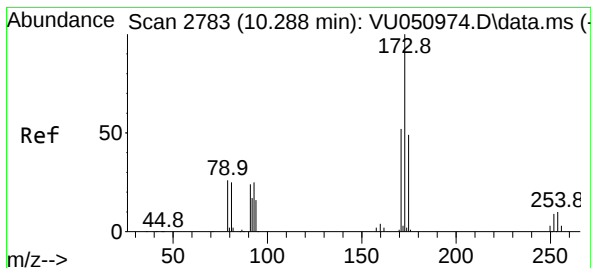
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Styrene
Concen: 5.730 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:104 Resp: 264213
Ion Ratio Lower Upper
104 100
78 51.3 39.7 59.5
103 55.7 44.8 67.2





#67

Bromoform

Concen: 6.547 ug/l

RT: 10.290 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

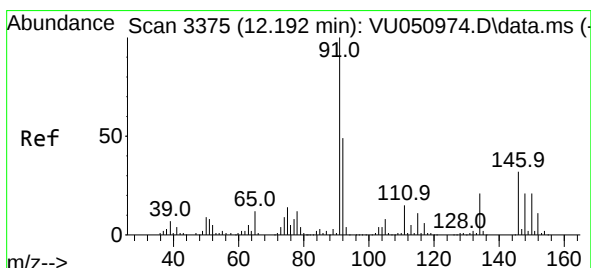
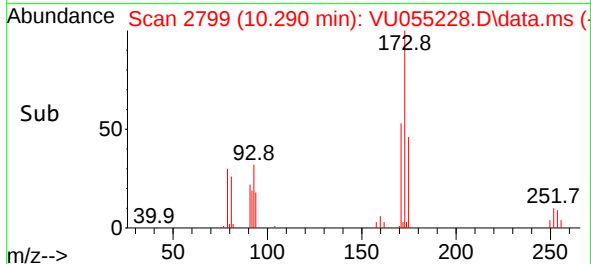
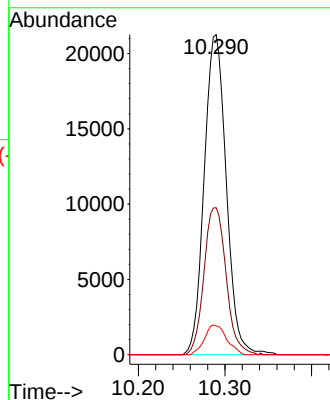
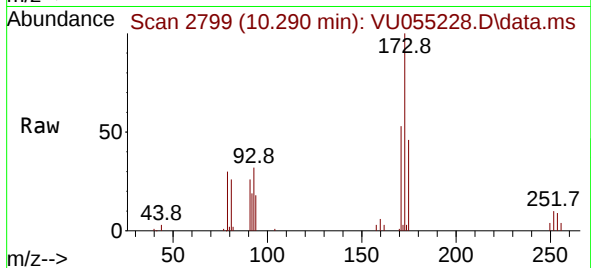
Tgt Ion:173	Resp:	37600
Ion Ratio	Lower	Upper
173	100	
175	46.1	39.0 58.6
254	9.3	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

1,2-Dichlorobenzene-d4

Concen: 1.075 ug/l

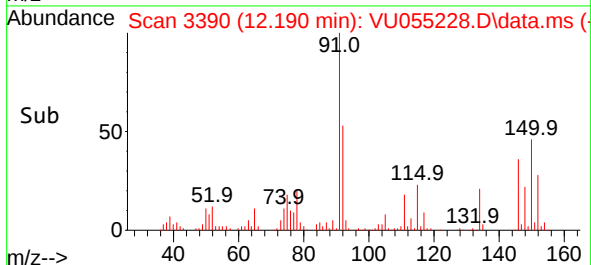
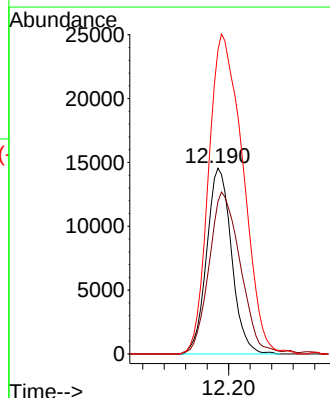
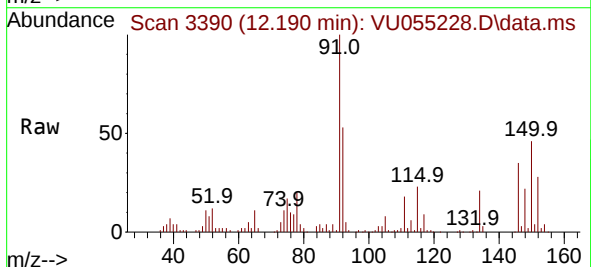
RT: 12.190 min Scan# 3390

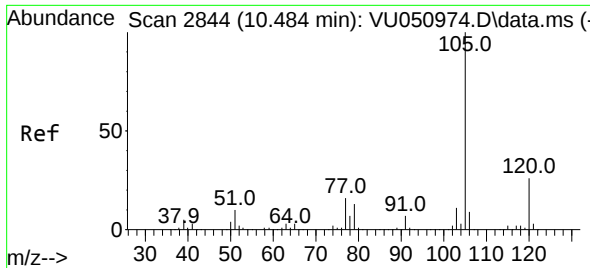
Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Tgt Ion:152	Resp:	23374
Ion Ratio	Lower	Upper
152	100	
115	109.5	0.0 308.8
150	236.9	0.0 635.0





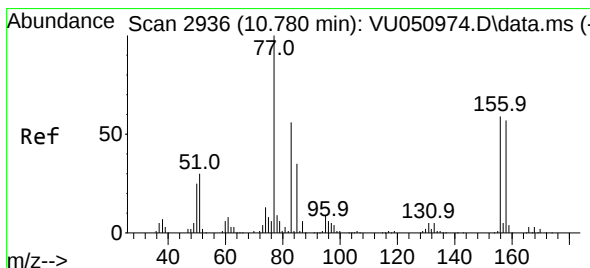
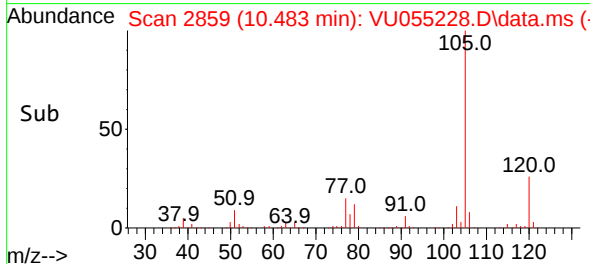
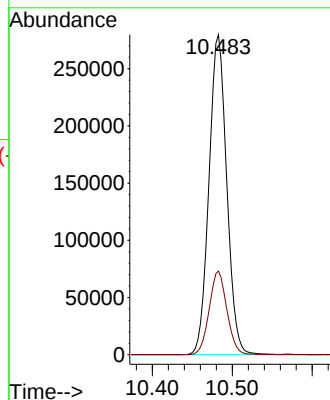
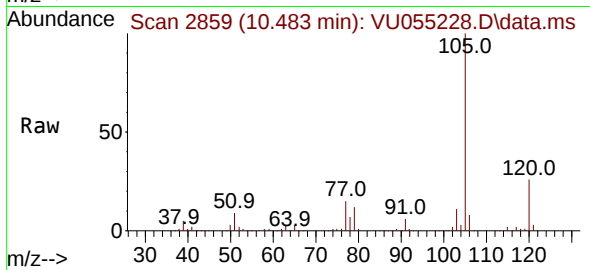
#69
Isopropylbenzene
Concen: 5.493 ug/l
RT: 10.483 min Scan# 2844
Delta R.T. -0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 431370
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4

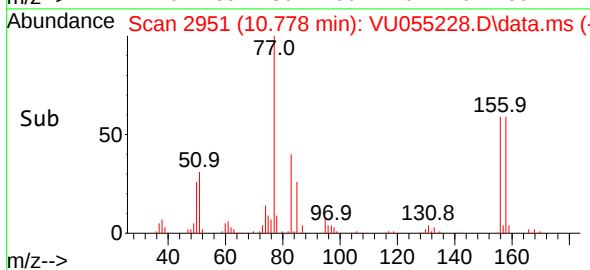
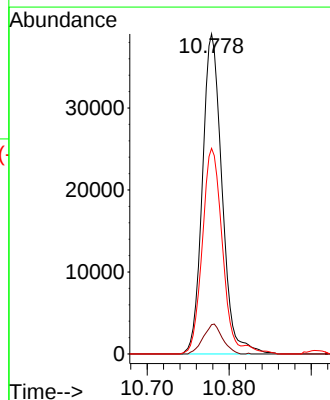
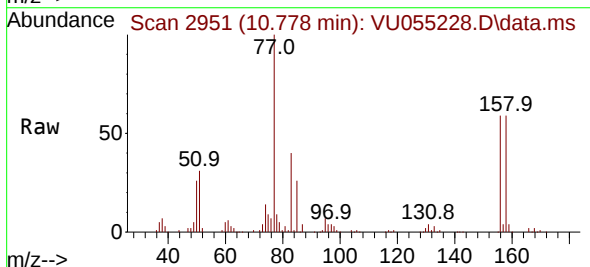
Manual Integrations
APPROVED

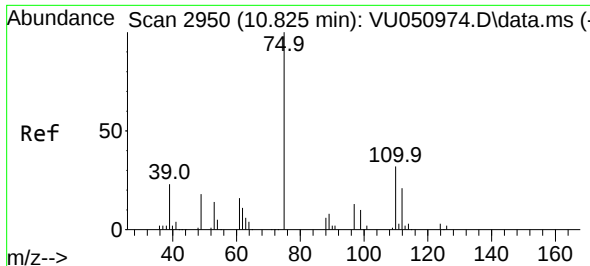
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 4.484 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

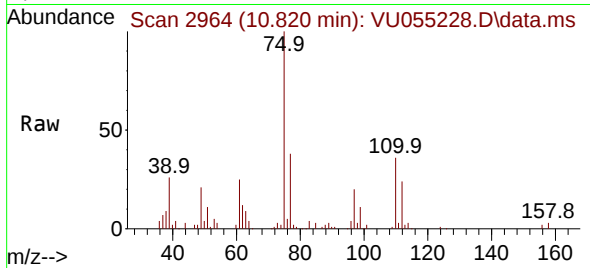
Tgt Ion: 83 Resp: 64718
Ion Ratio Lower Upper
83 100
131 9.2 7.2 10.8
85 64.9 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 5.439 ug/l m
RT: 10.820 min Scan# 2950
Delta R.T. -0.005 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

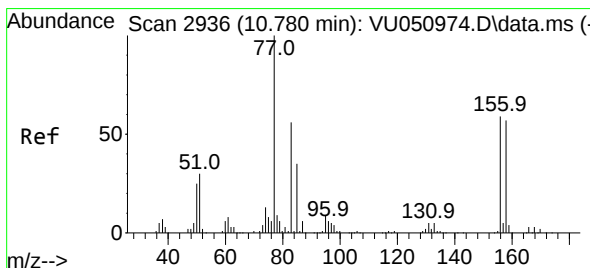
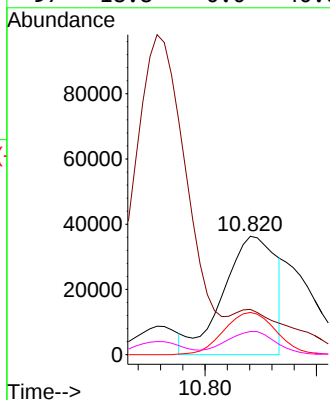
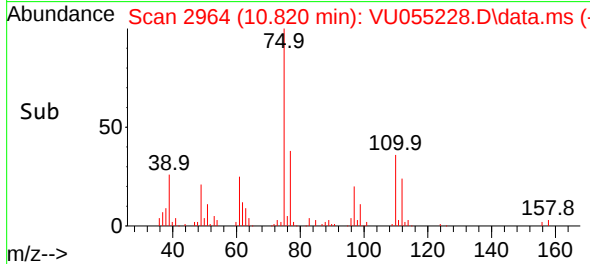
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 5927
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 35.8 0.0 74.6
97 18.8 0.0 40.0

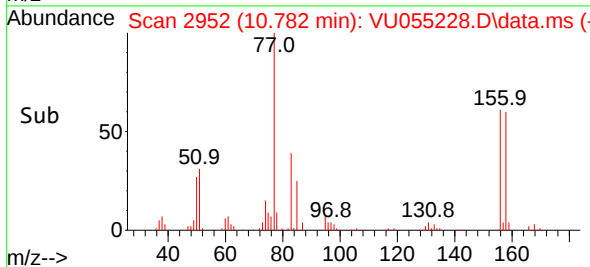
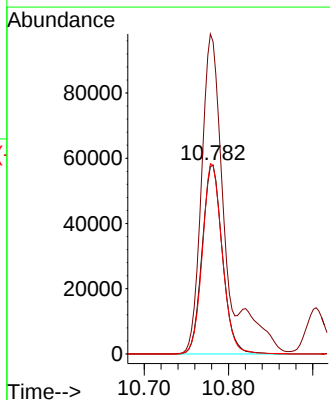
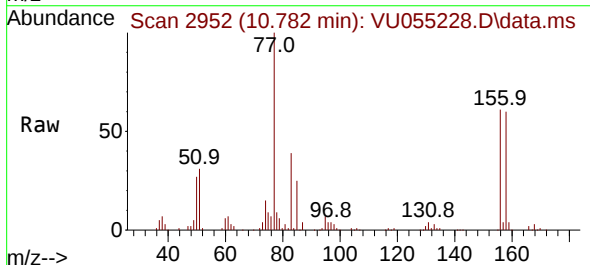
Manual Integrations
APPROVED

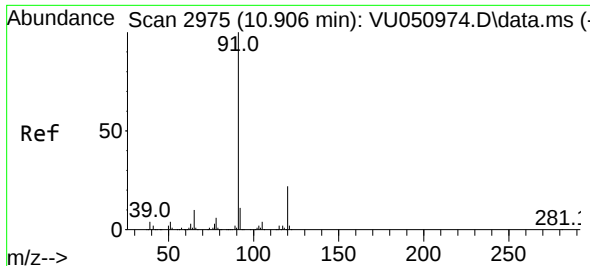
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#72
Bromobenzene
Concen: 5.884 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

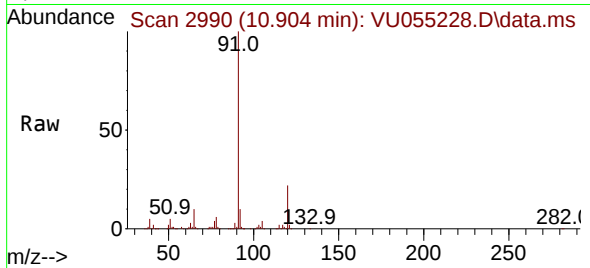
Tgt Ion:156 Resp: 96815
Ion Ratio Lower Upper
156 100
77 167.8 0.0 343.0
158 98.9 0.0 194.8





#73
n-propylbenzene
Concen: 5.667 ug/l
RT: 10.904 min Scan# 2975
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

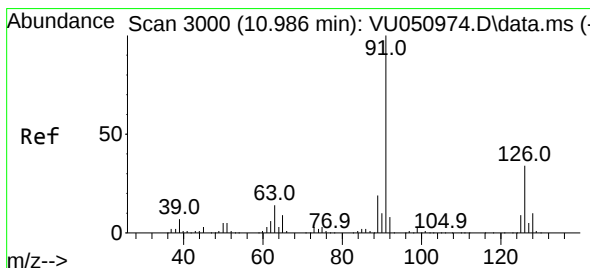
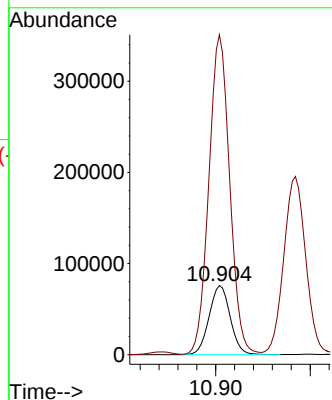
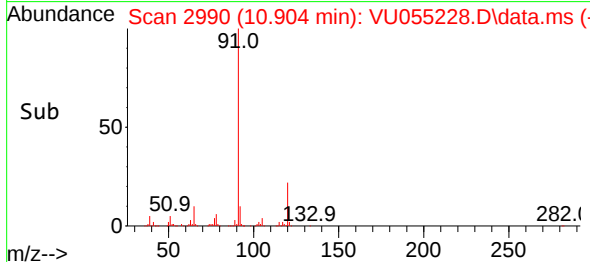
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



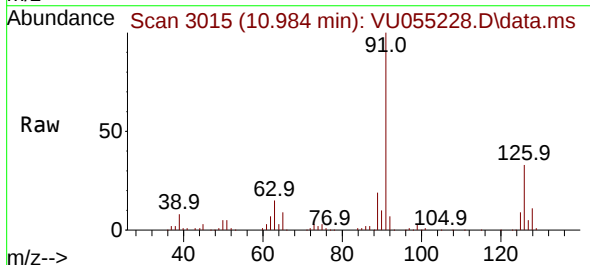
Tgt Ion:120 Resp: 117589
Ion Ratio Lower Upper
120 100
91 454.9 369.8 554.6

Manual Integrations
APPROVED

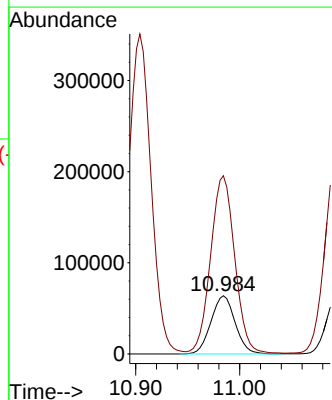
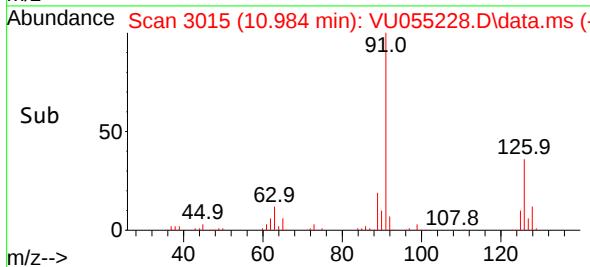
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

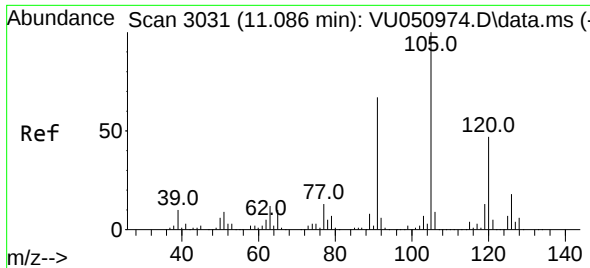


#74
2-Chlorotoluene
Concen: 5.754 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



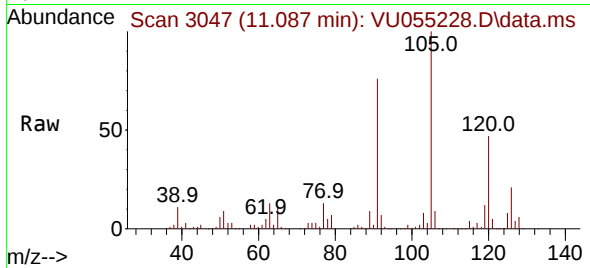
Tgt Ion:126 Resp: 103207
Ion Ratio Lower Upper
126 100
91 304.3 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 5.746 ug/l
RT: 11.087 min Scan# 3031
Delta R.T. 0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

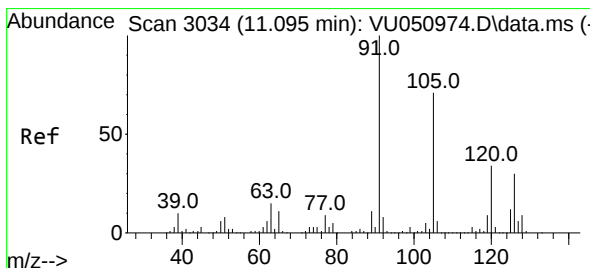
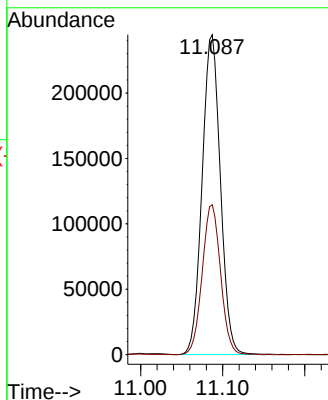
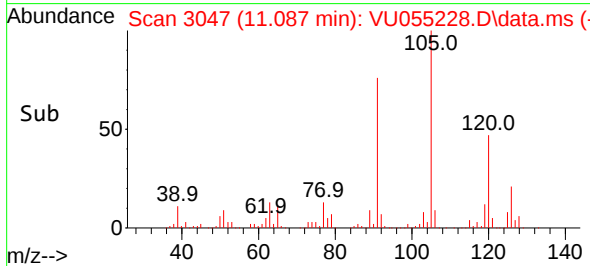
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



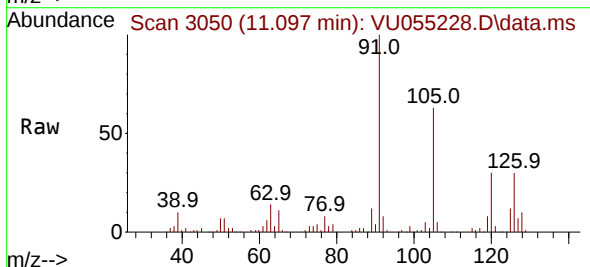
Tgt Ion:105 Resp: 378960
Ion Ratio Lower Upper
105 100
120 47.2 37.8 56.8

Manual Integrations
APPROVED

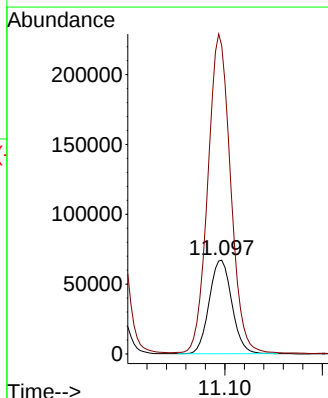
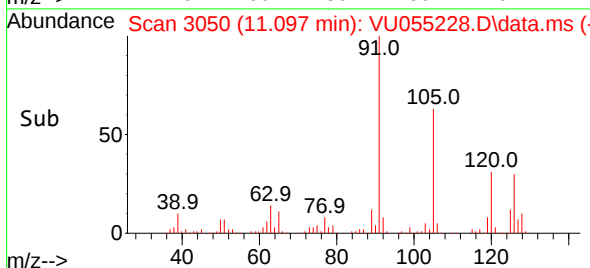
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

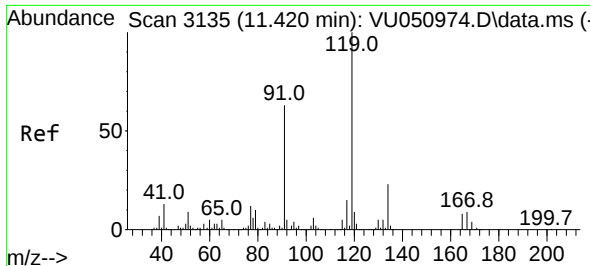


#76
4-Chlorotoluene
Concen: 5.806 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



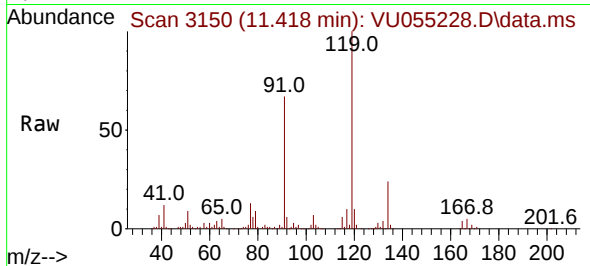
Tgt Ion:126 Resp: 108136
Ion Ratio Lower Upper
126 100
91 342.3 0.0 686.2





#77
tert-Butylbenzene
Concen: 5.281 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

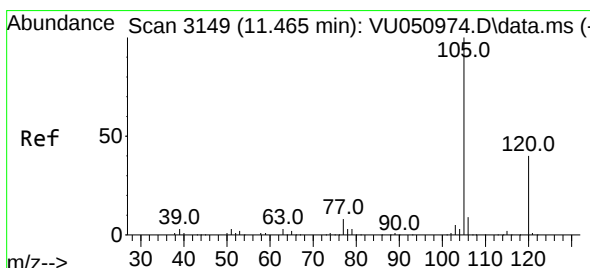
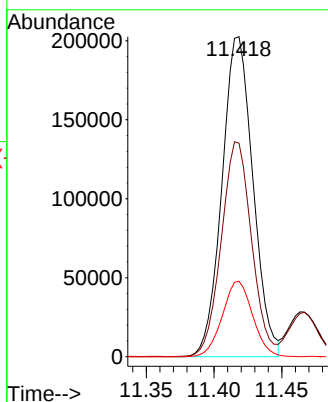
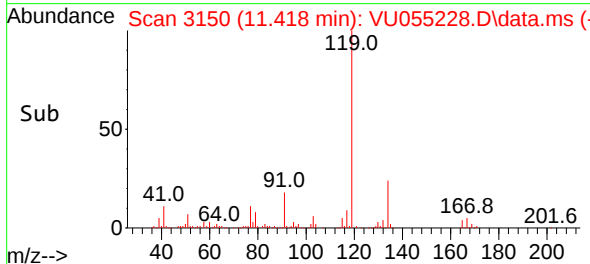
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



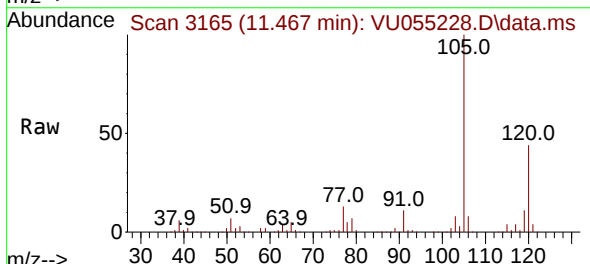
Tgt Ion:119 Resp: 32284
Ion Ratio Lower Upper
119 100
91 65.8 30.8 92.4
134 23.0 18.0 27.0

Manual Integrations
APPROVED

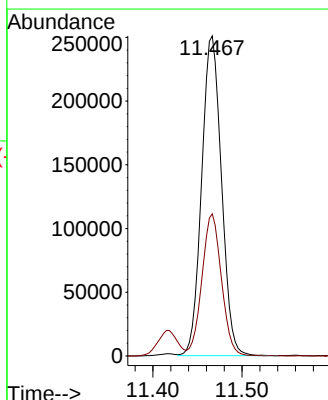
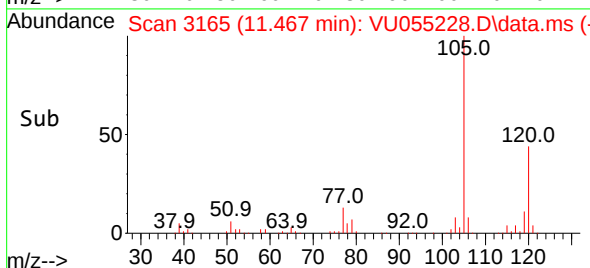
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

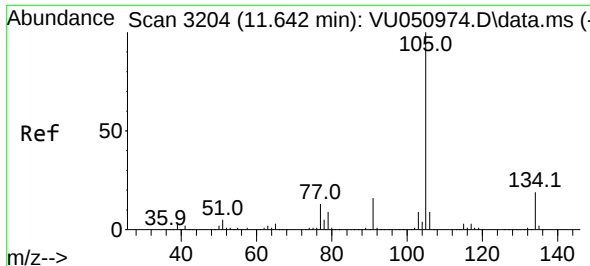


#78
1,2,4-Trimethylbenzene
Concen: 5.756 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



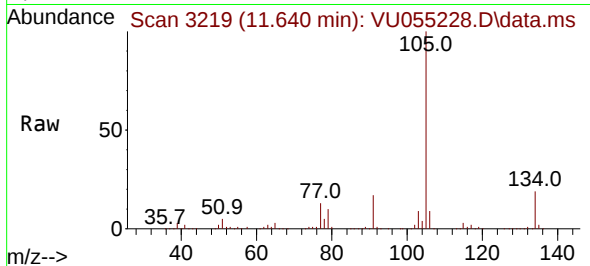
Tgt Ion:105 Resp: 386610
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 5.511 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: VU055228.D
 Acq: 11 Sep 2023 10:26

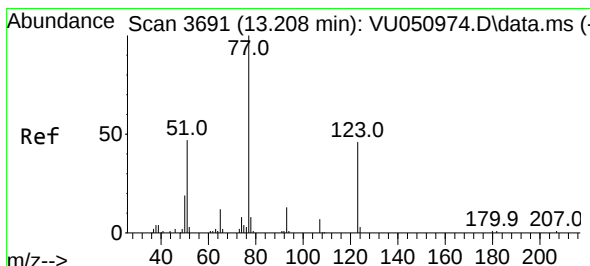
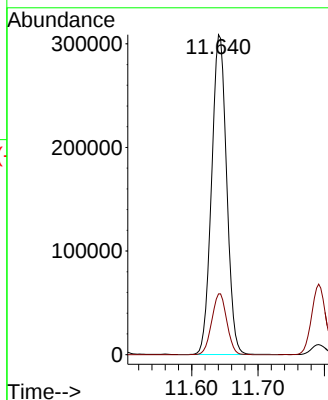
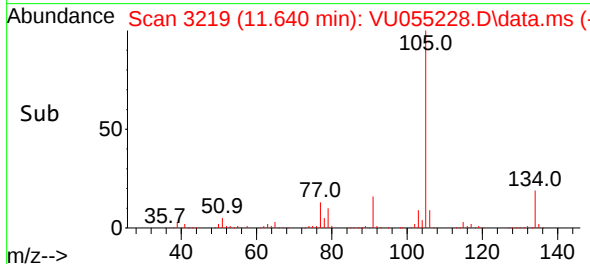
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005



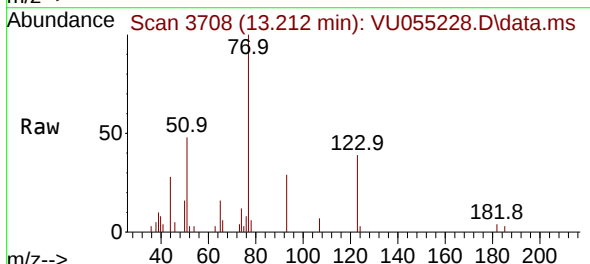
Tgt Ion:105 Resp: 485240
 Ion Ratio Lower Upper
 105 100
 134 19.1 14.9 22.3

Manual Integrations
 APPROVED

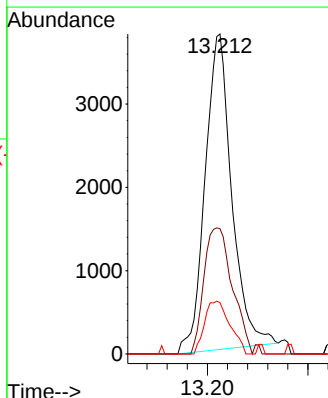
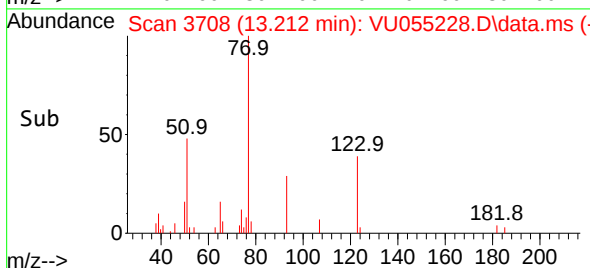
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

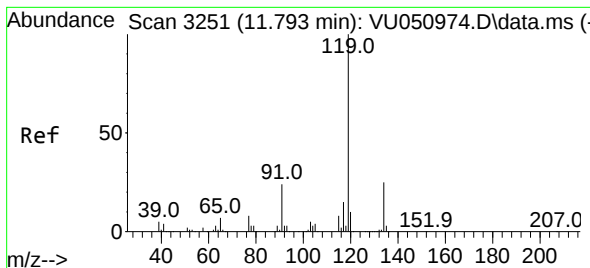


#80
 Nitrobenzene
 Concen: 19.237 ug/l
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.004 min
 Lab File: VU055228.D
 Acq: 11 Sep 2023 10:26



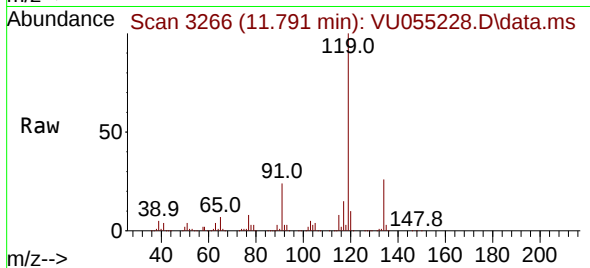
Tgt Ion: 77 Resp: 6976
 Ion Ratio Lower Upper
 77 100
 123 42.5 19.7 69.7
 65 15.9 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 5.763 ug/l
RT: 11.791 min Scan# 3251
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

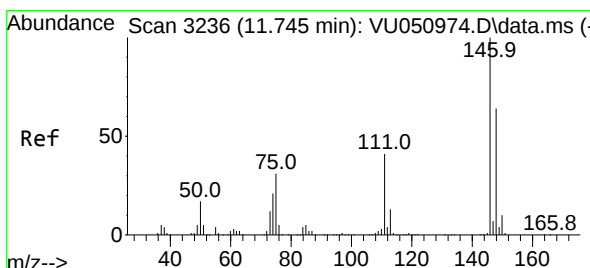
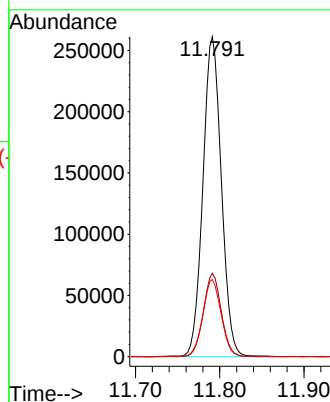
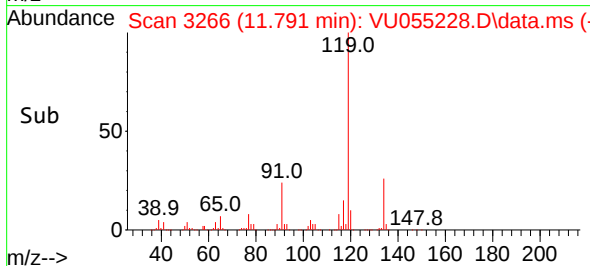
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005



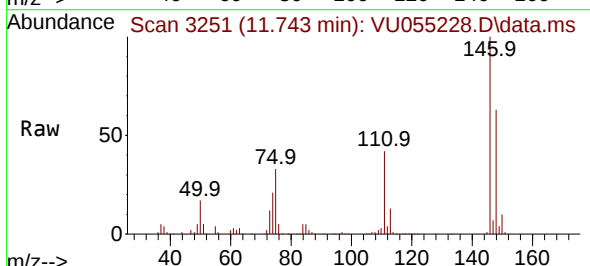
Tgt Ion:119 Resp: 398578
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 23.7 19.3 28.9

Manual Integrations
APPROVED

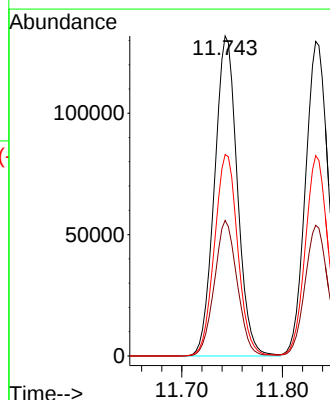
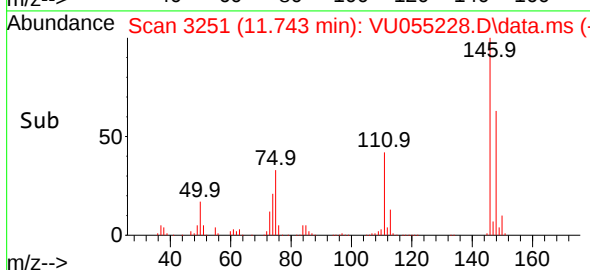
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

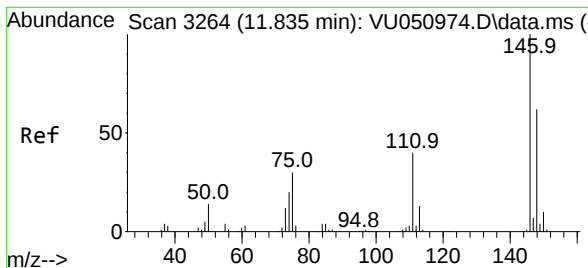


#82
1,3-Dichlorobenzene
Concen: 5.940 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



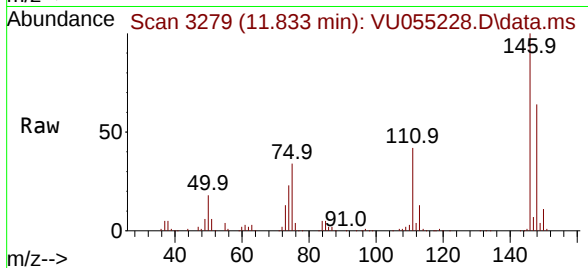
Tgt Ion:146 Resp: 208291
Ion Ratio Lower Upper
146 100
111 42.4 32.6 49.0
148 64.3 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 5.874 ug/l
RT: 11.833 min Scan# 31
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

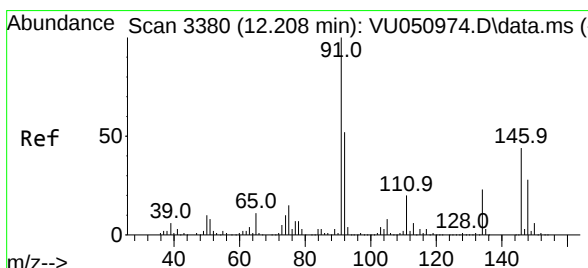
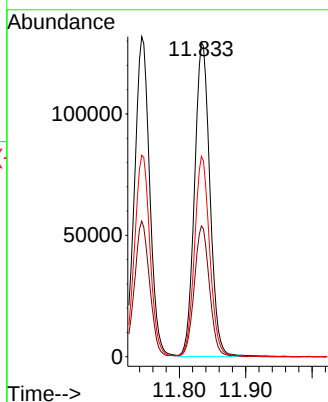
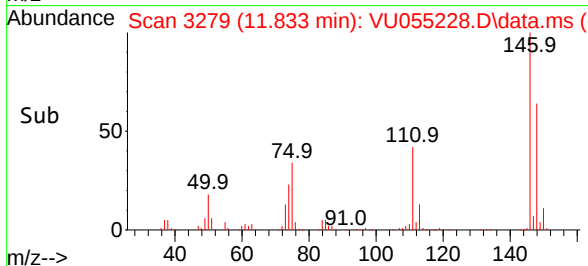
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005



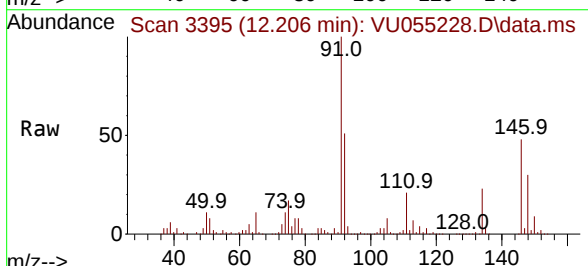
Tgt Ion:146 Resp: 208438
Ion Ratio Lower Upper
146 100
111 41.4 31.6 47.4
148 62.8 50.3 75.5

Manual Integrations
APPROVED

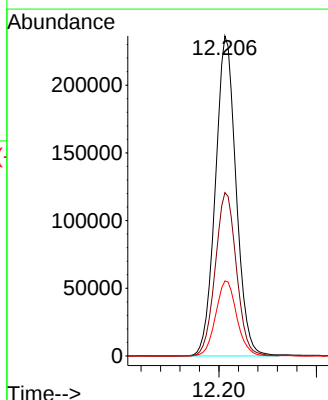
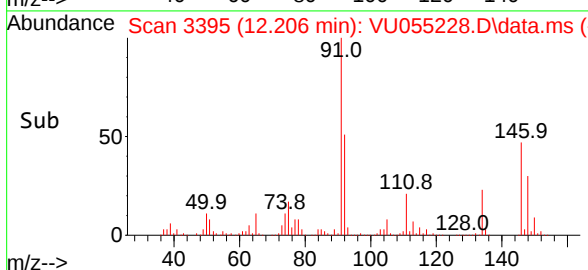
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

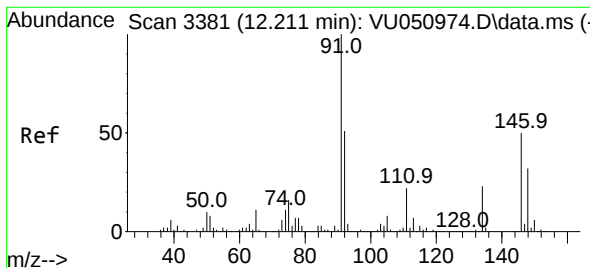


#84
n-Butylbenzene
Concen: 5.102 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26



Tgt Ion: 91 Resp: 348655
Ion Ratio Lower Upper
91 100
92 52.3 40.8 61.2
134 23.9 18.4 27.6





#85

1,2-Dichlorobenzene

Concen: 5.749 ug/l

RT: 12.209 min Scan# 31

Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC005

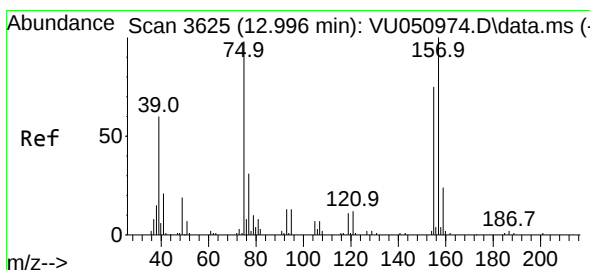
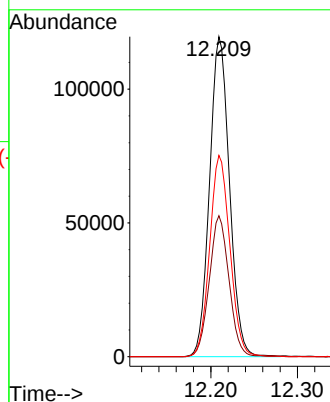
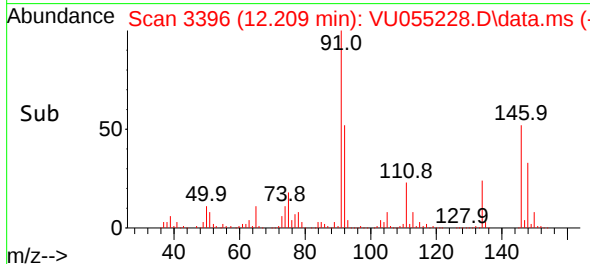
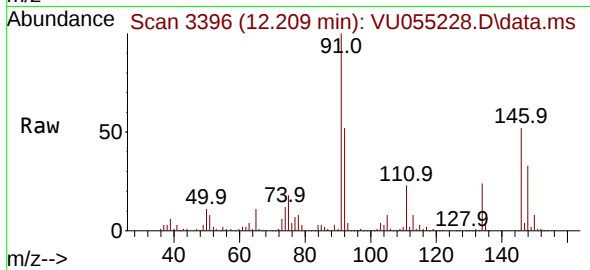
Tgt Ion:	146	Resp:	19101
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.6	64.6
148	64.0	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

1,2-Dibromo-3-Chloropropane

Concen: 5.209 ug/l

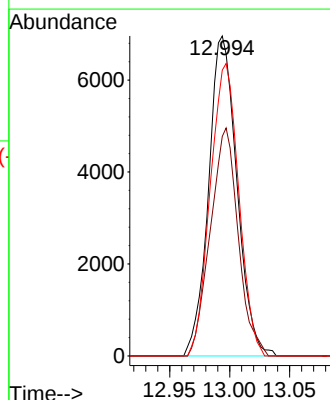
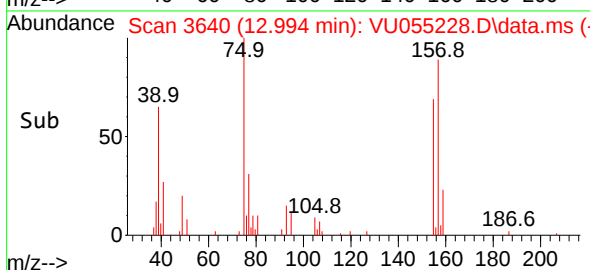
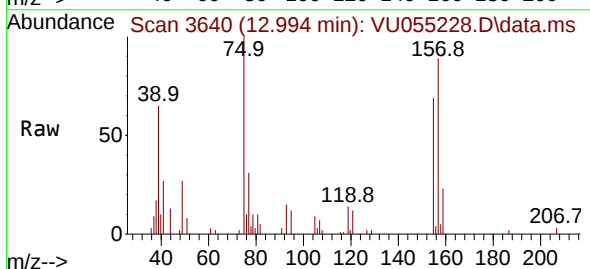
RT: 12.994 min Scan# 3640

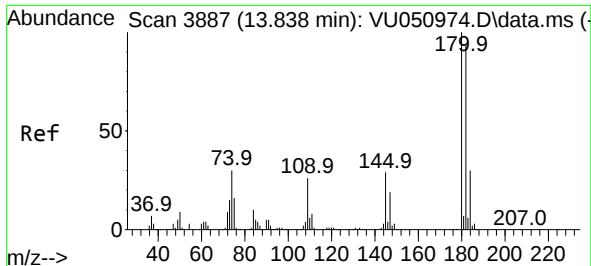
Delta R.T. -0.002 min

Lab File: VU055228.D

Acq: 11 Sep 2023 10:26

Tgt Ion:	75	Resp:	11418
Ion Ratio	Lower	Upper	
75	100		
155	70.0	61.8	92.8
157	92.0	80.2	120.4





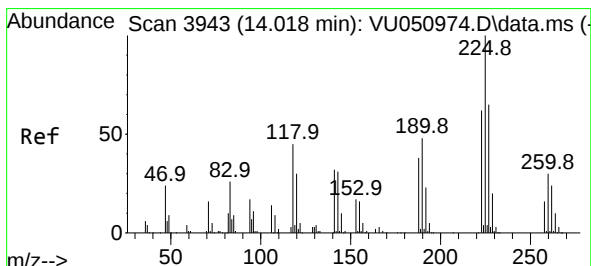
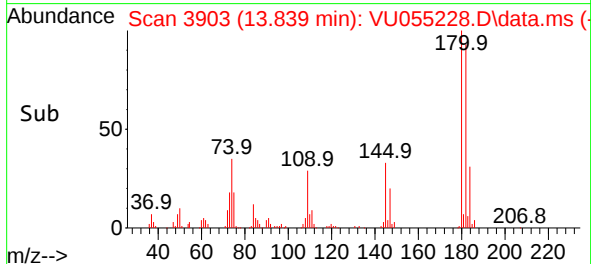
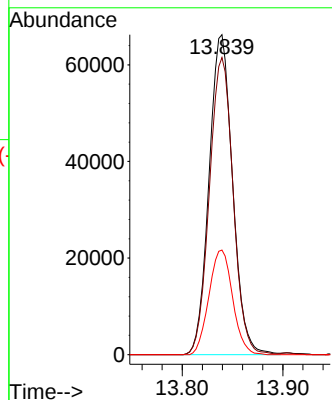
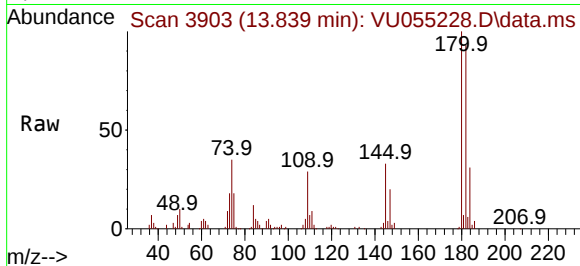
#87
1,2,4-Trichlorobenzene
Concen: 5.568 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 10790
Ion Ratio Lower Upper
180 100
182 93.2 75.8 113.6
145 32.9 23.9 35.9

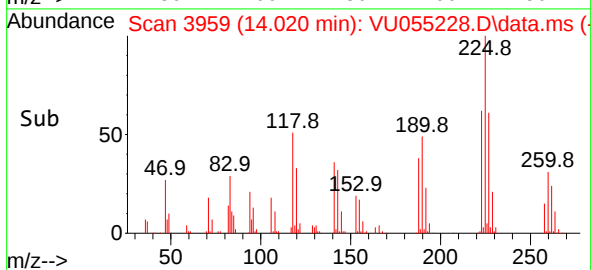
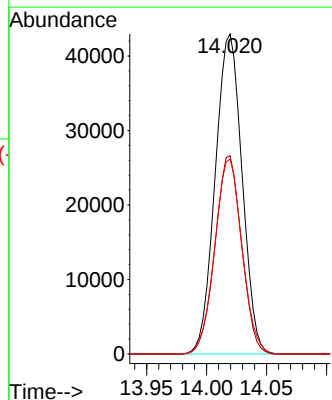
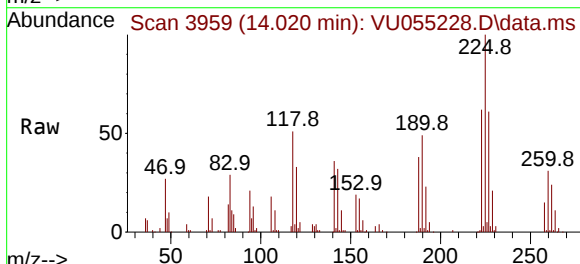
Manual Integrations
APPROVED

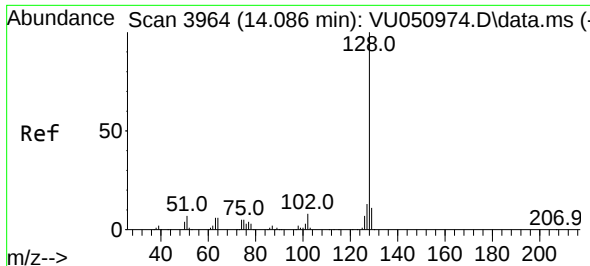
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#88
Hexachlorobutadiene
Concen: 7.215 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:225 Resp: 66874
Ion Ratio Lower Upper
225 100
223 61.4 50.2 75.4
227 61.5 51.5 77.3





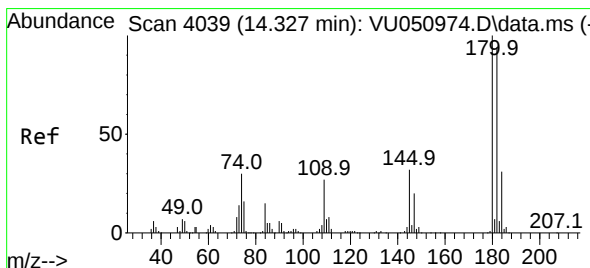
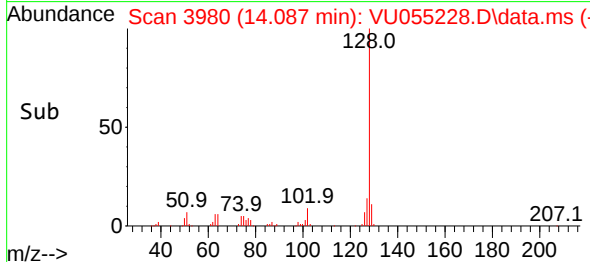
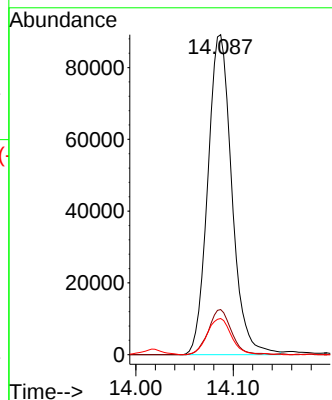
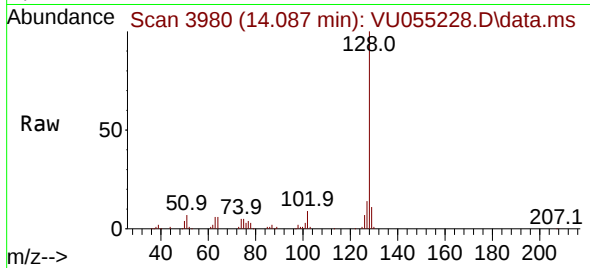
#89
Naphthalene
Concen: 3.921 ug/l
RT: 14.087 min Scan# 3964
Delta R.T. 0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 152890
Ion Ratio Lower Upper
128 100
127 13.6 10.9 16.3
129 11.4 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: 5.641 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.001 min
Lab File: VU055228.D
Acq: 11 Sep 2023 10:26

Tgt Ion:180 Resp: 94196
Ion Ratio Lower Upper
180 100
182 94.0 75.7 113.5
145 33.4 26.1 39.1

