

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055225.D
 Acq On : 11 Sep 2023 09:10
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 09:34:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 09:34:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	58265	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	23699	1.127	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.194	152	19319	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	9764	0.464	ug/l	93
3) Chloromethane	1.516	50	11486	0.535	ug/l	96
4) Vinyl Chloride	1.602	62	11196	0.494	ug/l	100
5) Bromomethane	1.853	94	10400	0.542	ug/l	93
6) Chloroethane	1.930	64	6609	0.456	ug/l	# 85
7) Trichlorofluoromethane	2.136	101	15140	0.446	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.577	101	7537	0.448	ug/l	97
9) 1,1-Dichloroethene	2.577	96	7129	0.463	ug/l	94
10) Iodomethane	2.721	142	5671	0.363	ug/l	97
11) Allyl Chloride	2.917	41	8188	0.471	ug/l	# 81
12) Acrylonitrile	3.339	53	2552m	0.853	ug/l	
13) Acetone	2.628	43	13960	2.380	ug/l	90
14) Carbon Disulfide	2.792	76	22361	0.474	ug/l	99
15) Methylene Chloride	3.043	84	8839	0.243	ug/l	96
16) trans-1,2-Dichloroethene	3.355	96	7965	0.501	ug/l	98
17) 1,1-Dichloroethane	3.866	63	15505	0.534	ug/l	97
18) 2-Butanone	4.724	43	12890	2.160	ug/l	97
19) Cyclohexane	5.383	56	10623	0.444	ug/l	# 81
20) Methylcyclohexane	6.763	83	12350	0.414	ug/l	97
21) 2,2-Dichloropropane	4.663	77	12082	0.486	ug/l	100
22) cis-1,2-Dichloroethene	4.673	96	13981	0.809	ug/l	98
23) Diethyl Ether	2.374	59	5470	0.448	ug/l	96
24) tert-Butyl Alcohol	3.194	59	4443	4.001	ug/l	# 1
25) Methyl tert-Butyl Ether	3.361	73	14815	0.434	ug/l	98
26) Bromochloromethane	4.975	128	3649	0.524	ug/l	94
27) Chloroform	5.084	83	16522	0.548	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	13915	0.536	ug/l	99
29) 1,1-Dichloropropene	5.528	75	10531	0.468	ug/l	95
30) Carbon Tetrachloride	5.522	117	11724	0.567	ug/l	96
31) Isopropyl Ether	3.988	45	18525	0.464	ug/l	98
32) Ethyl-t-butyl ether	4.493	59	18019	0.439	ug/l	99
33) Tert-Amyl methyl ether	5.937	73	15377	0.422	ug/l	# 90
34) Propionitrile	4.811	54	1579	1.569	ug/l	# 6
35) Benzene	5.776	78	32620	0.496	ug/l	96
36) 1,2-Dichloroethane	5.798	62	9705	0.514	ug/l	96
37) Trichloroethene	6.541	130	11129	0.673	ug/l	90
38) 1,2-Dichloropropane	6.789	63	8633	0.512	ug/l	92
39) Methacrylonitrile	4.998	41	1568m	0.382	ug/l	
40) Methyl acrylate	4.898	55	2089m	0.281	ug/l	
41) Tetrahydrofuran	5.075	42	2083	0.971	ug/l	# 71
42) 1-Chlorobutane	5.461	56	12691	0.424	ug/l	90
43) Dibromomethane	6.920	93	4167	0.519	ug/l	92
44) Bromodichloromethane	7.107	83	10401	0.518	ug/l	89

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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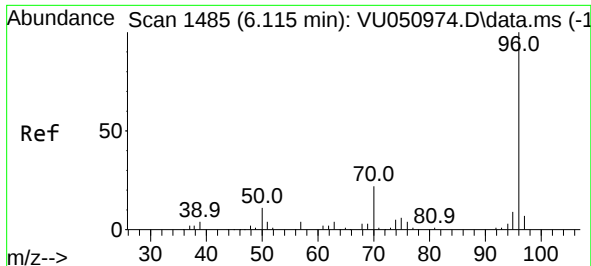
Manual Integrations
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Reviewed By : John Carlone 09/12/2023
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Quant Time: Sep 11 09:34:50 2023
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	18729	2.249	ug/l	94
46) t-1,4-Dichloro-2-butene	10.833	75	2712m	0.594	ug/l	
47) Methyl methacrylate	6.969	69	5059	0.685	ug/l	89
48) Ethyl methacrylate	8.338	69	5144	0.359	ug/l	95
49) Toluene	7.969	92	18278	0.454	ug/l	100
50) t-1,3-Dichloropropene	8.216	75	8014	0.431	ug/l	99
51) cis-1,3-Dichloropropene	7.609	75	10344	0.449	ug/l	94
52) 1,1,2-Trichloroethane	8.399	97	5893	0.506	ug/l	95
53) 1,3-Dichloropropane	8.576	76	9756	0.486	ug/l	99
54) 2-Hexanone	8.689	43	18600	2.129	ug/l	97
55) Dibromochloromethane	8.808	129	6323	0.534	ug/l	95
56) 1,2-Dibromoethane	8.927	107	5244	0.489	ug/l	93
58) Tetrachloroethene	8.554	164	10518	0.680	ug/l	96
59) Chlorobenzene	9.451	112	21208	0.478	ug/l	90
60) 1,1,1,2-Tetrachloroethane	9.531	131	7066	0.524	ug/l	97
61) Pentachloroethane	11.422	117	3426	0.362	ug/l	86
62) Hexachloroethane	12.473	117	4591	0.421	ug/l	94
63) Ethyl Benzene	9.570	91	33916	0.436	ug/l	99
64) m/p-Xylenes	9.695	106	25087	0.843	ug/l	93
65) o-Xylene	10.100	106	12722	0.437	ug/l	100
66) Styrene	10.116	104	17275	0.386	ug/l	92
67) Bromoform	10.290	173	2974	0.533	ug/l #	92
69) Isopropylbenzene	10.483	105	31299	0.411	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.782	83	5857	0.418	ug/l #	99
71) 1,2,3-Trichloropropane	10.824	75	5318m	0.503	ug/l	
72) Bromobenzene	10.782	156	7638	0.478	ug/l	97
73) n-propylbenzene	10.907	120	7684	0.381	ug/l	92
74) 2-Chlorotoluene	10.988	126	7838	0.450	ug/l	91
75) 1,3,5-Trimethylbenzene	11.087	105	25862	0.404	ug/l	97
76) 4-Chlorotoluene	11.100	126	7406	0.410	ug/l	90
77) tert-Butylbenzene	11.419	119	22742	0.383	ug/l	93
78) 1,2,4-Trimethylbenzene	11.470	105	23419	0.359	ug/l	95
79) sec-Butylbenzene	11.640	105	31017	0.363	ug/l	100
81) p-Isopropyltoluene	11.792	119	23934	0.356	ug/l	96
82) 1,3-Dichlorobenzene	11.747	146	16277	0.478	ug/l	95
83) 1,4-Dichlorobenzene	11.837	146	15362	0.446	ug/l	98
84) n-Butylbenzene	12.210	91	20272	0.306	ug/l	100
85) 1,2-Dichlorobenzene	12.213	146	14850	0.460	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	978	0.460	ug/l #	73
87) 1,2,4-Trichlorobenzene	13.843	180	7463	0.397	ug/l	96
88) Hexachlorobutadiene	14.020	225	5625	0.625	ug/l	96
89) Naphthalene	14.094	128	8598	0.227	ug/l	97
90) 1,2,3-Trichlorobenzene	14.332	180	6579	0.406	ug/l	92

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



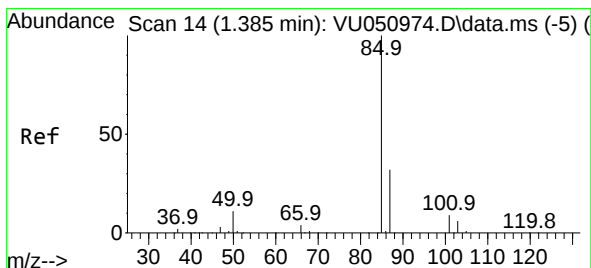
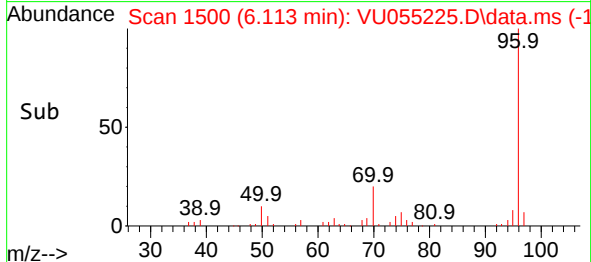
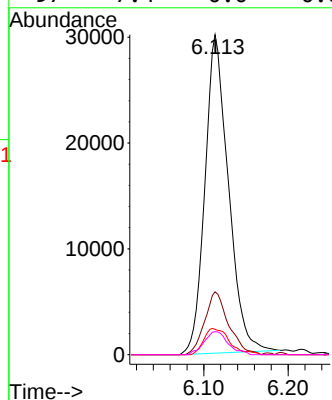
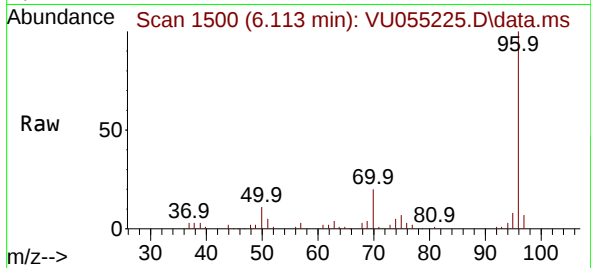
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 96	Resp: 5826
Ion Ratio	Lower Upper
96 100	
70 20.0	16.5 24.7
95 9.1	7.4 11.0
97 7.4	0.0 0.0

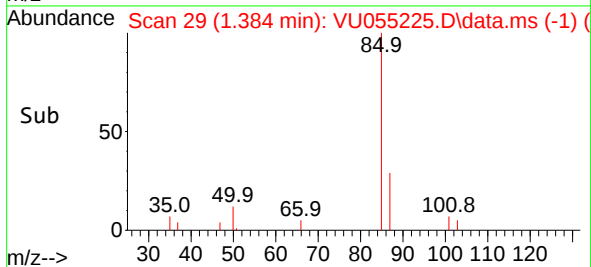
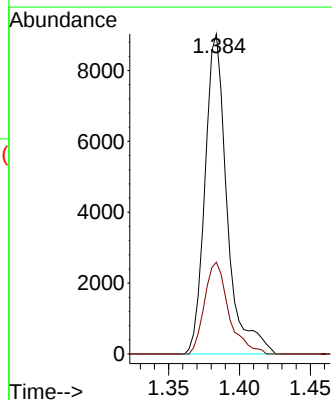
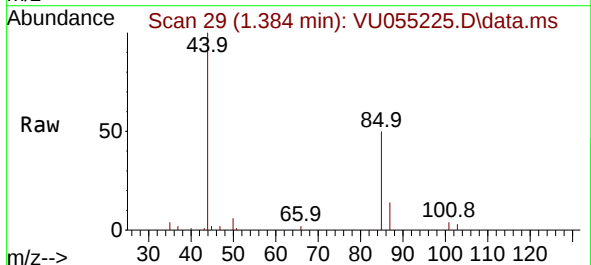
Manual Integrations
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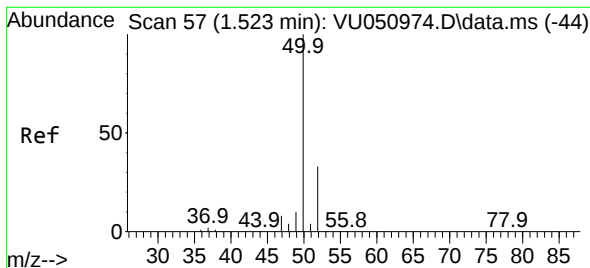
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 0.464 ug/l
RT: 1.384 min Scan# 29
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 85	Resp: 9764
Ion Ratio	Lower Upper
85 100	
87 28.7	16.2 48.6





#3

Chloromethane

Concen: 0.535 ug/l

RT: 1.516 min Scan# 70

Delta R.T. -0.007 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 50 Resp: 1148

Ion Ratio Lower Upper

50 100

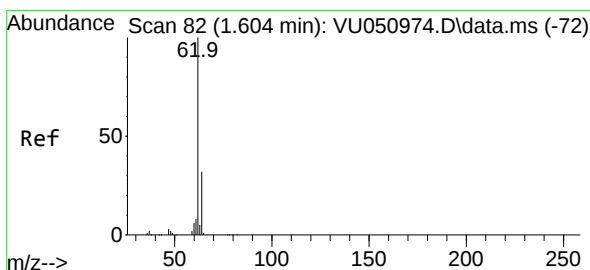
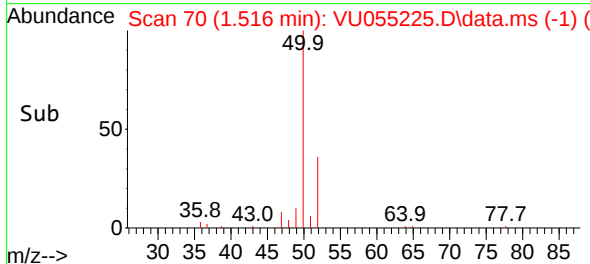
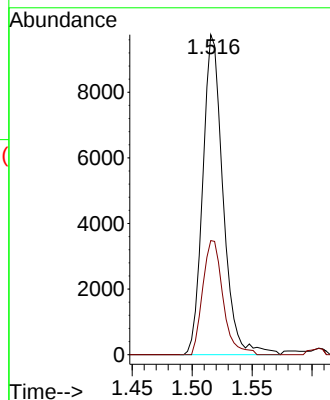
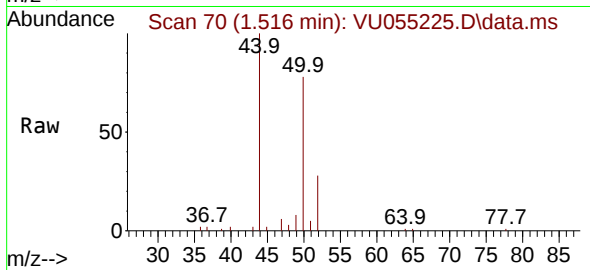
52 35.7 26.6 40.0

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#4

Vinyl Chloride

Concen: 0.494 ug/l

RT: 1.602 min Scan# 97

Delta R.T. -0.002 min

Lab File: VU055225.D

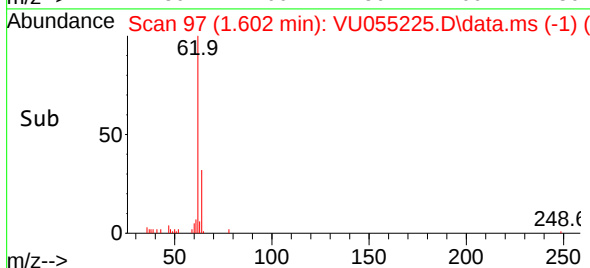
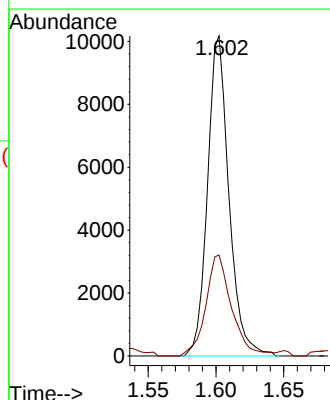
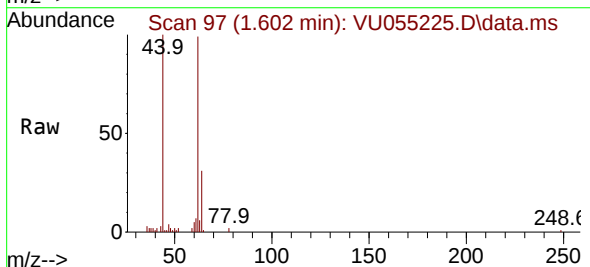
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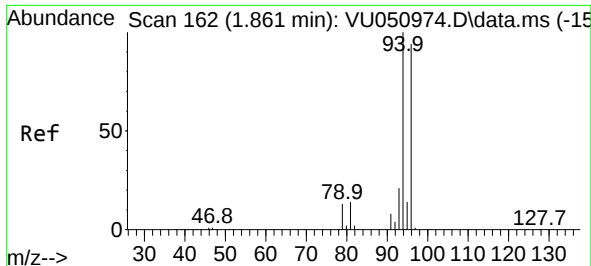
Tgt Ion: 62 Resp: 11196

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





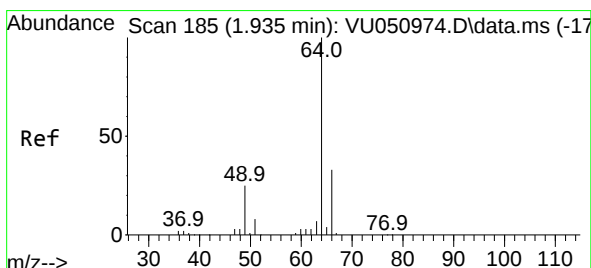
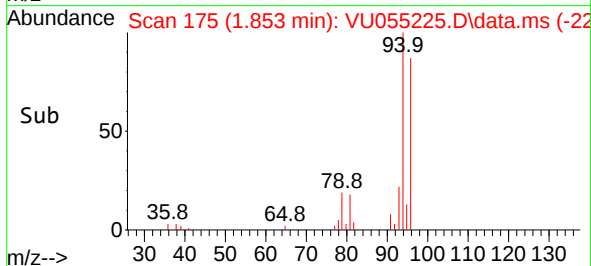
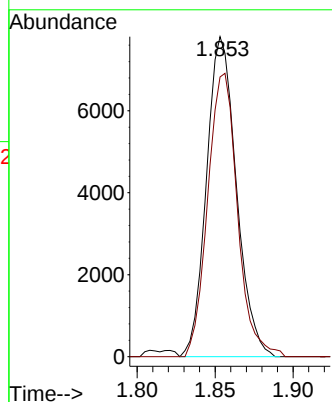
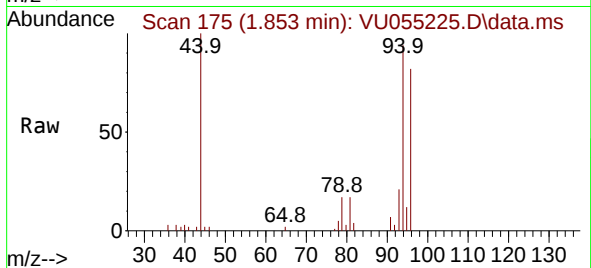
#5
Bromomethane
Concen: 0.542 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.008 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 94 Resp: 10400
Ion Ratio Lower Upper
94 100
96 87.4 75.4 113.2

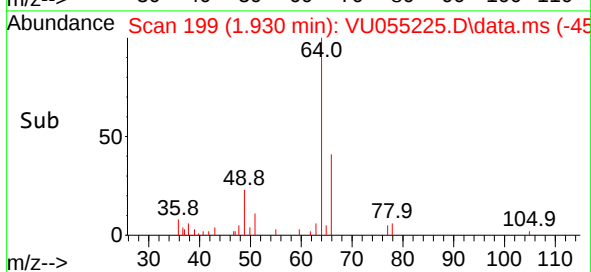
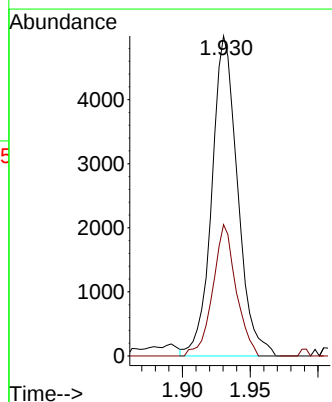
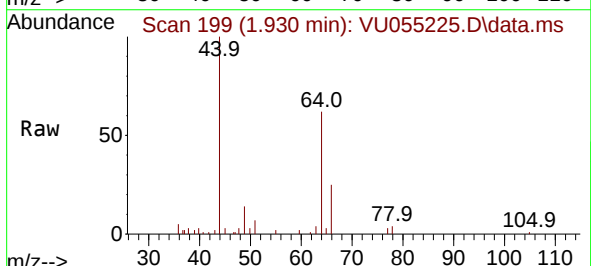
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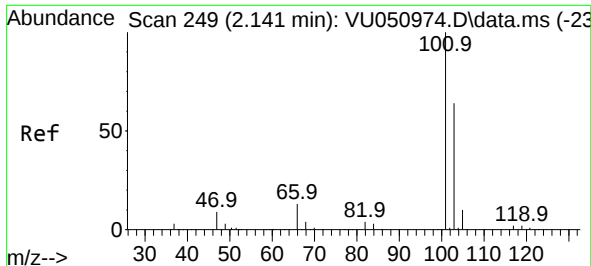
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 0.456 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

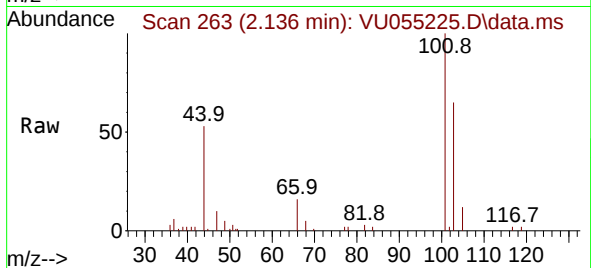
Tgt Ion: 64 Resp: 6609
Ion Ratio Lower Upper
64 100
66 41.0 26.0 39.0#





#7
Trichlorofluoromethane
Concen: 0.446 ug/l
RT: 2.136 min Scan# 20
Delta R.T. -0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

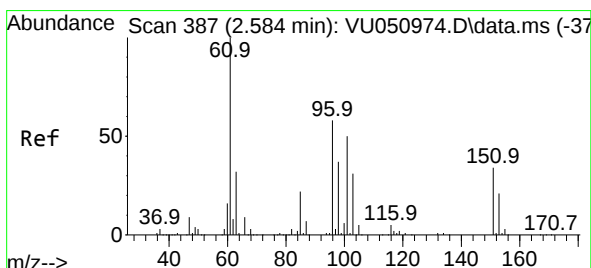
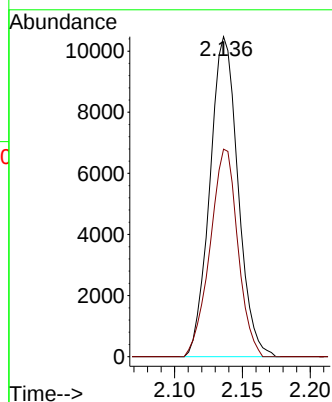
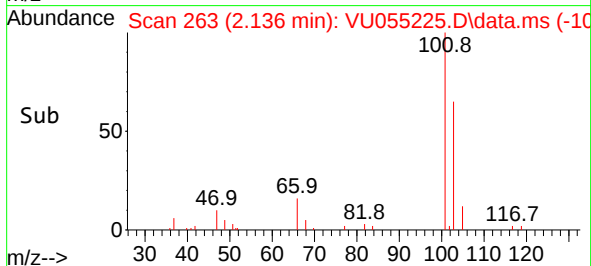
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5



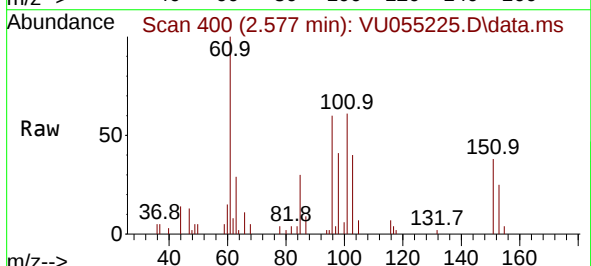
Tgt Ion:101 Resp: 15140
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0

Manual Integrations
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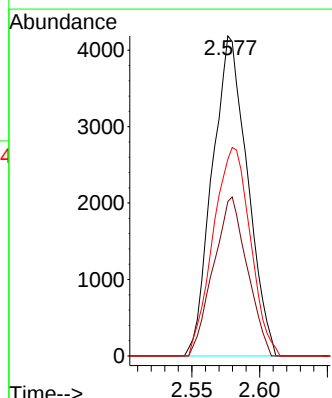
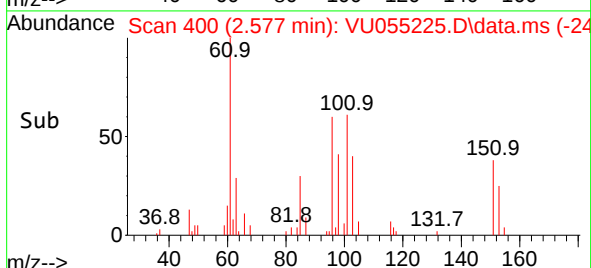
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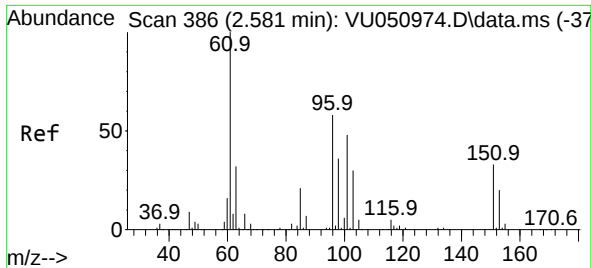


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.448 ug/l
RT: 2.577 min Scan# 400
Delta R.T. -0.007 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10



Tgt Ion:101 Resp: 7537
Ion Ratio Lower Upper
101 100
85 47.7 35.4 53.0
151 68.9 54.0 81.0





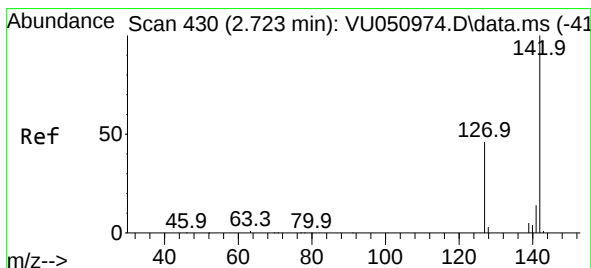
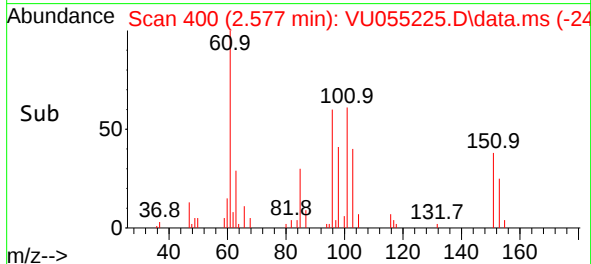
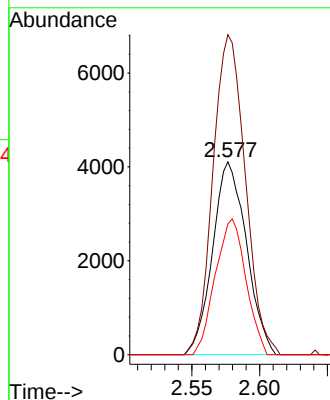
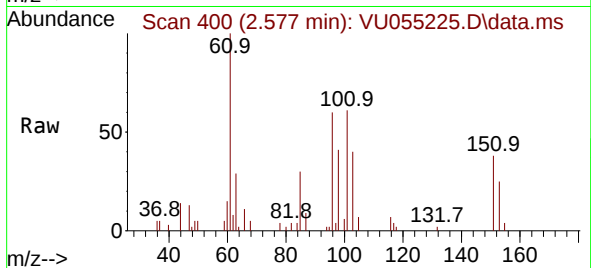
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1,1-Dichloroethene
Concen: 0.463 ug/l
RT: 2.577 min Scan# 400
Delta R.T. -0.004 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 96 Resp: 7129
Ion Ratio Lower Upper
96 100
61 166.0 0.0 521.4
98 67.8 0.0 125.8

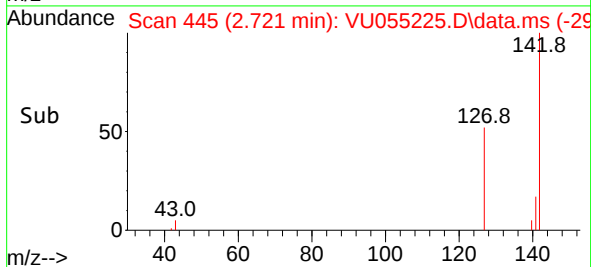
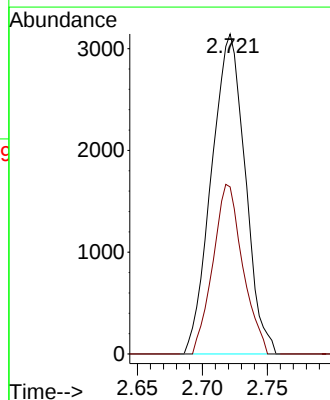
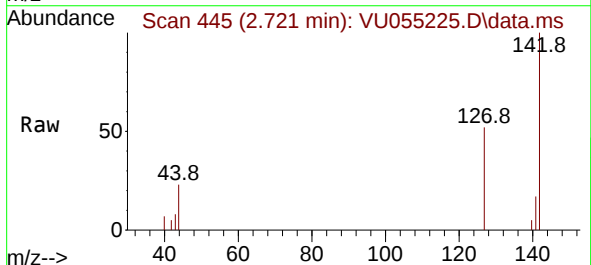
Manual Integrations
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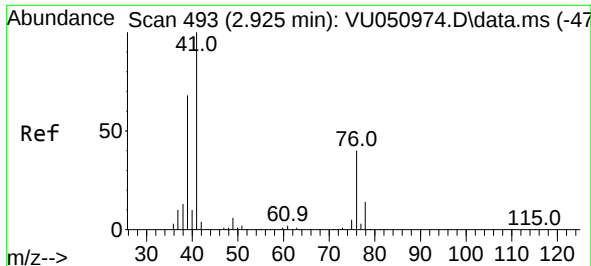
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Iodomethane
Concen: 0.363 ug/l
RT: 2.721 min Scan# 445
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

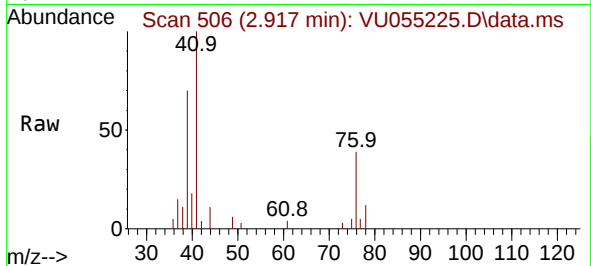
Tgt Ion:142 Resp: 5671
Ion Ratio Lower Upper
142 100
127 46.9 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.471 ug/l
 RT: 2.917 min Scan# 506
 Delta R.T. -0.008 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

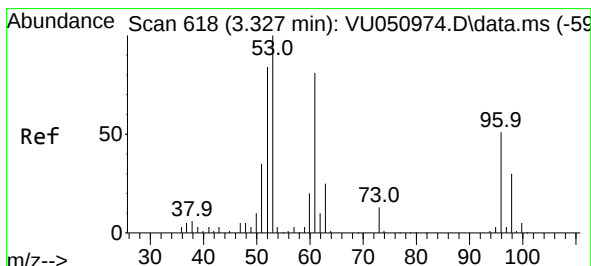
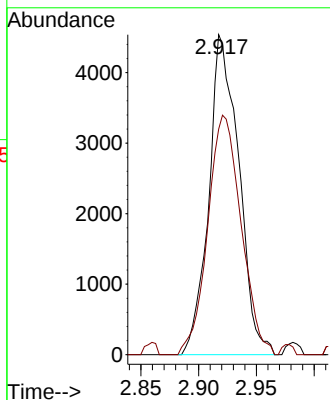
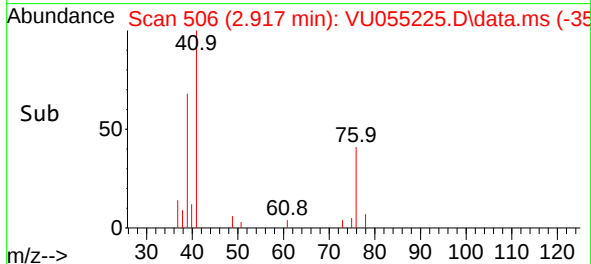
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5



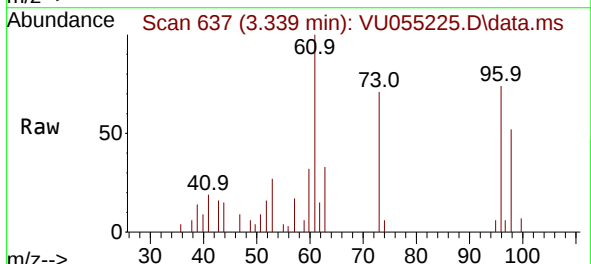
Tgt Ion: 41 Resp: 818
 Ion Ratio Lower Upper
 41 100
 39 83.3 54.2 81.2

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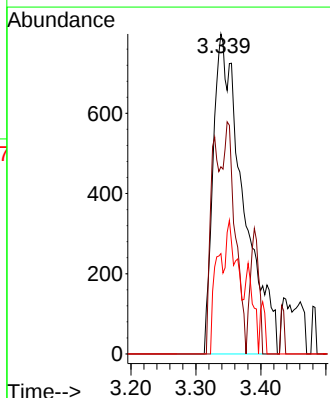
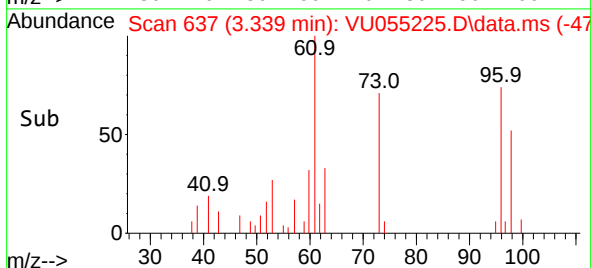
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

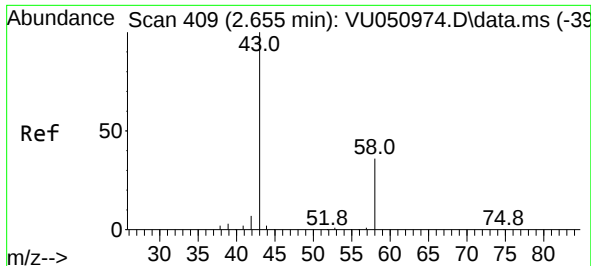


#12
 Acrylonitrile
 Concen: 0.853 ug/l m
 RT: 3.339 min Scan# 637
 Delta R.T. 0.012 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10



Tgt Ion: 53 Resp: 2552
 Ion Ratio Lower Upper
 53 100
 52 19.4 62.9 94.3#
 51 9.9 27.8 41.6#





#13

Acetone

Concen: 2.380 ug/l

RT: 2.628 min Scan# 416

Delta R.T. -0.027 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 13960

Ion Ratio Lower Upper

43 100

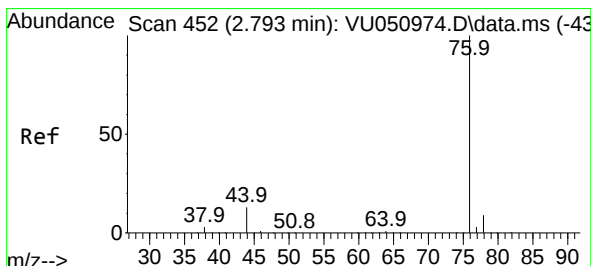
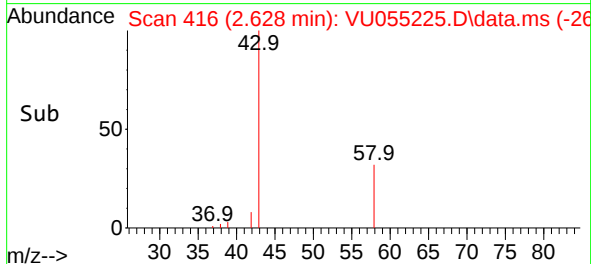
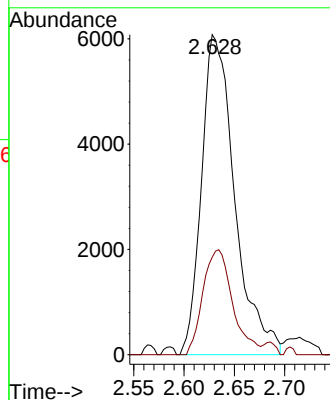
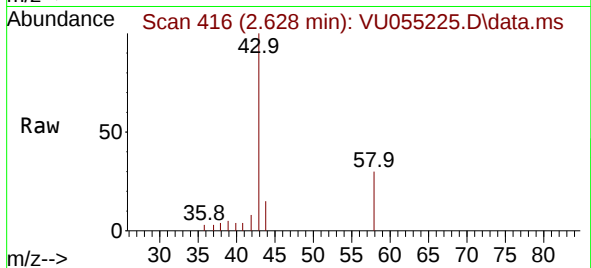
58 30.4 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Carbon Disulfide

Concen: 0.474 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.001 min

Lab File: VU055225.D

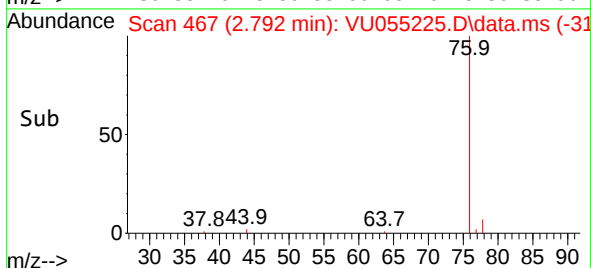
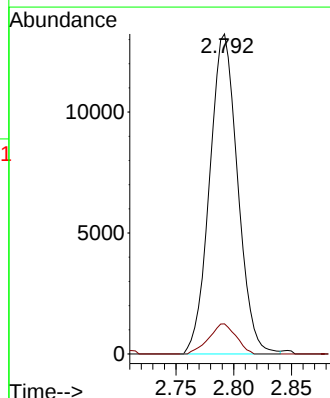
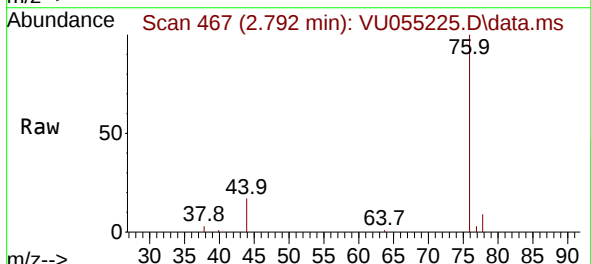
Acq: 11 Sep 2023 09:10

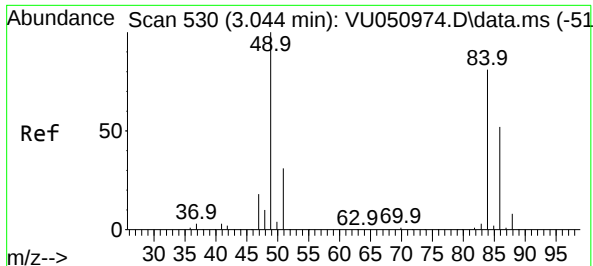
Tgt Ion: 76 Resp: 22361

Ion Ratio Lower Upper

76 100

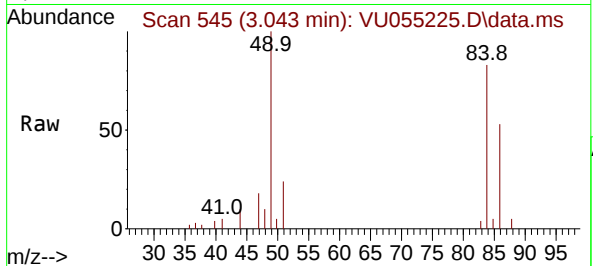
78 9.4 7.4 11.0





#15
Methylene Chloride
Concen: 0.243 ug/l
RT: 3.043 min Scan# 54
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

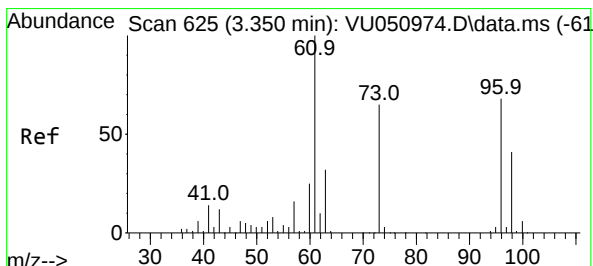
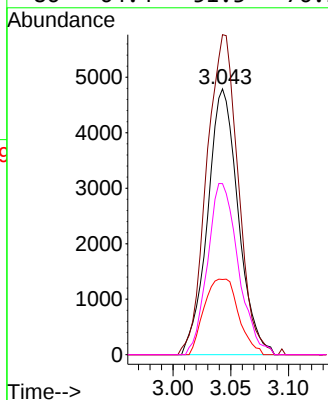
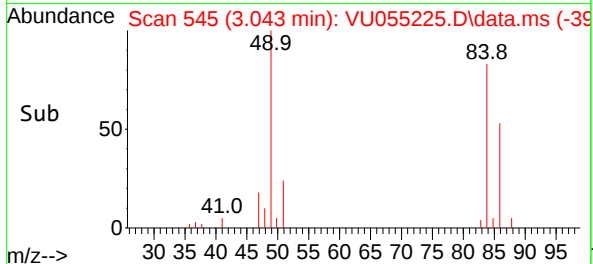
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion:	84	Resp:	8839
Ion	Ratio	Lower	Upper
84	100		
49	120.4	98.9	148.3
51	28.3	0.0	75.4
86	64.4	51.3	76.9

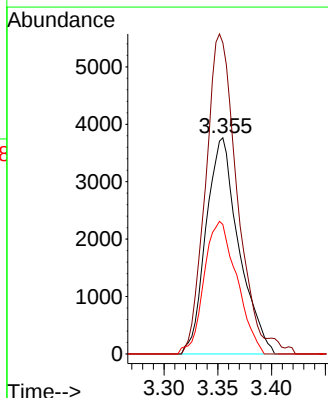
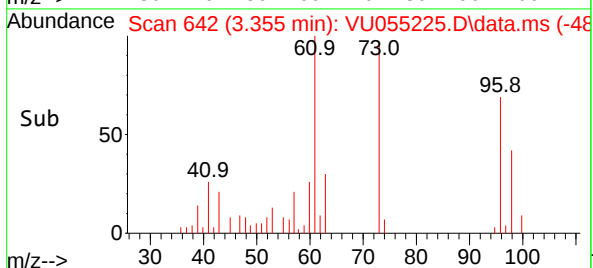
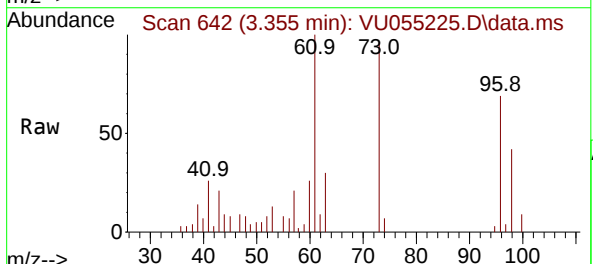
Manual Integrations
APPROVED

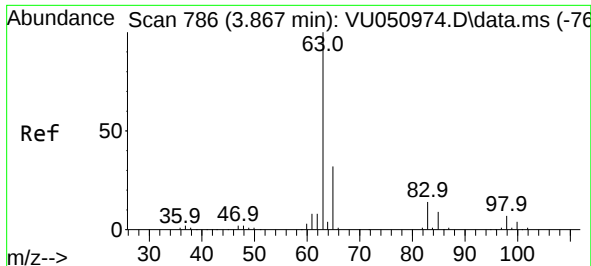
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#16
trans-1,2-Dichloroethene
Concen: 0.501 ug/l
RT: 3.355 min Scan# 642
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:	96	Resp:	7965
Ion	Ratio	Lower	Upper
96	100		
61	144.0	117.5	176.3
98	59.9	48.3	72.5





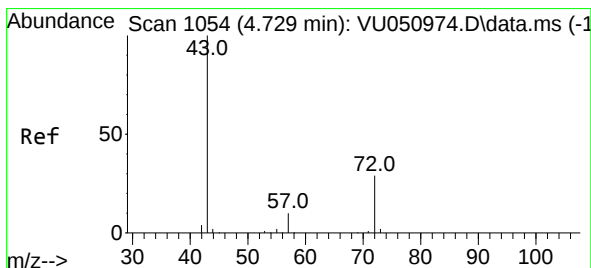
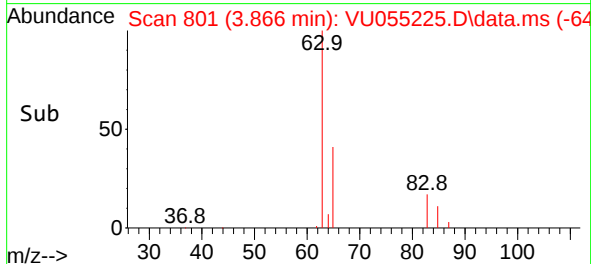
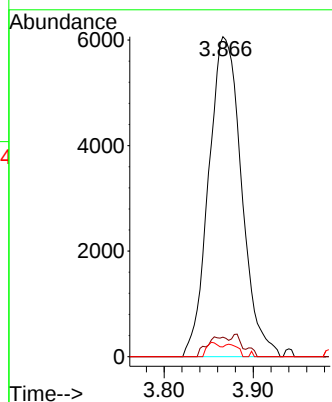
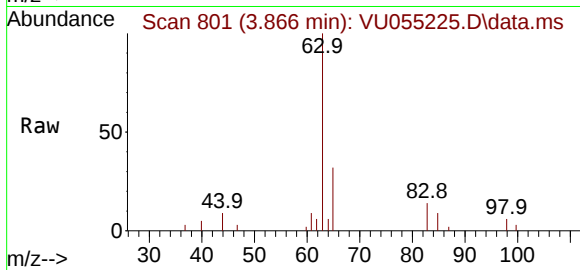
#17
1,1-Dichloroethane
Concen: 0.534 ug/l
RT: 3.866 min Scan# 801
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 1550
Ion Ratio Lower Upper
63 100
98 6.1 3.4 10.1
100 3.1 2.2 6.6

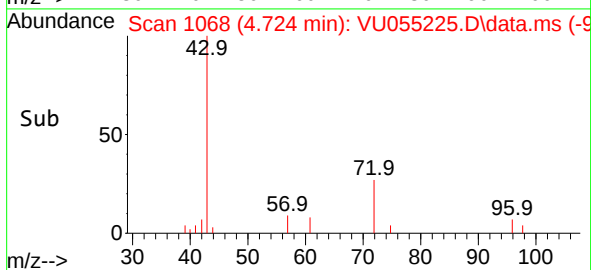
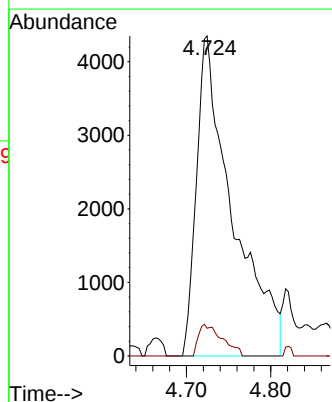
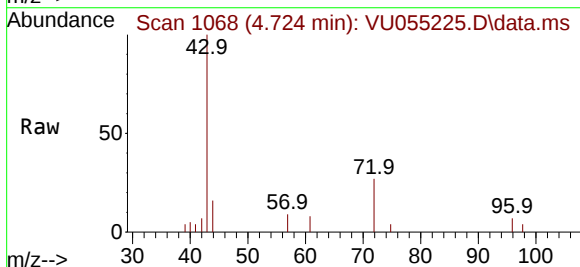
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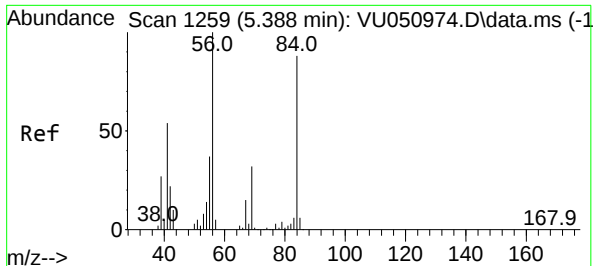
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#18
2-Butanone
Concen: 2.160 ug/l
RT: 4.724 min Scan# 1068
Delta R.T. -0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 43 Resp: 12890
Ion Ratio Lower Upper
43 100
57 8.6 0.0 19.6





#19

Cyclohexane

Concen: 0.444 ug/l

RT: 5.383 min Scan# 1

Delta R.T. -0.005 min

Lab File: VU055225.D

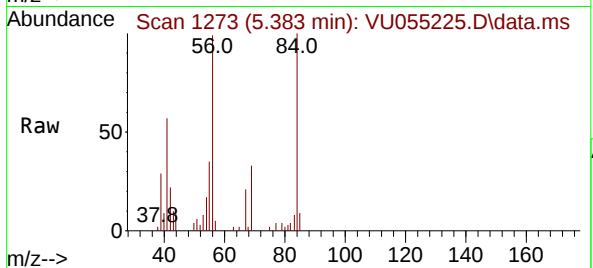
Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5



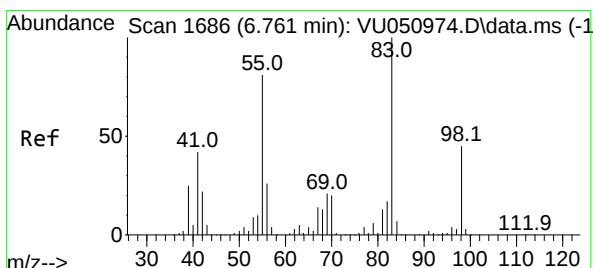
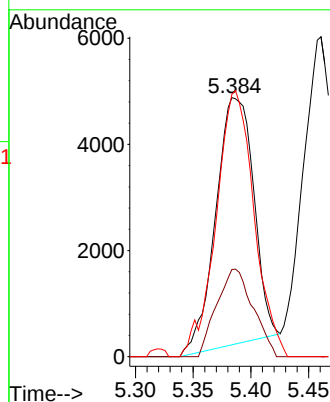
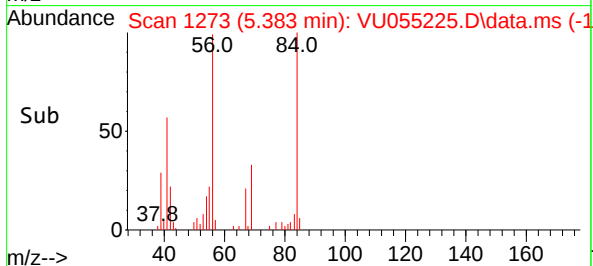
Tgt Ion: 56	Resp: 1062
Ion Ratio	Lower Upper
56	100
69	34.0 24.6 37.0
84	107.7 68.4 102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylcyclohexane

Concen: 0.414 ug/l

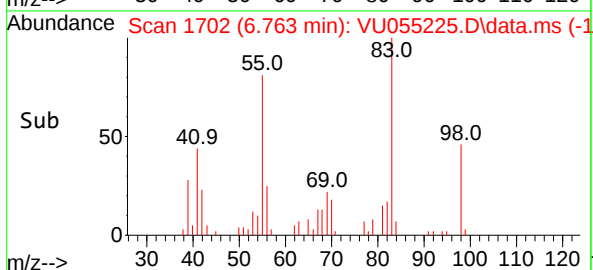
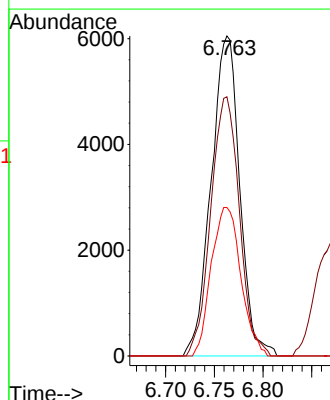
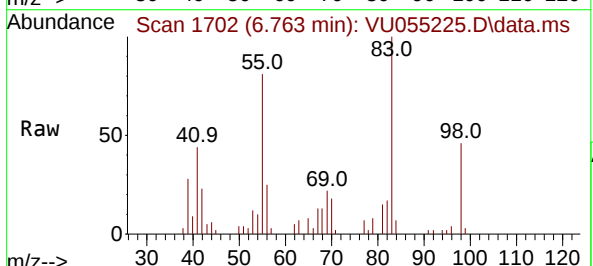
RT: 6.763 min Scan# 1702

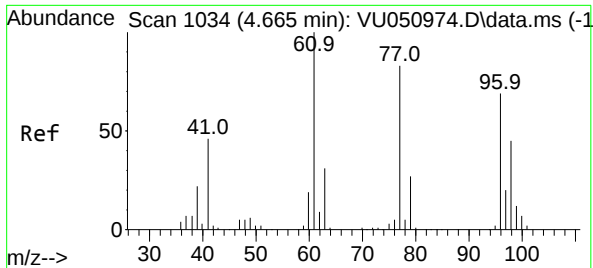
Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion: 83	Resp: 12350
Ion Ratio	Lower Upper
83	100
55	80.8 63.5 95.3
98	48.0 36.0 54.0





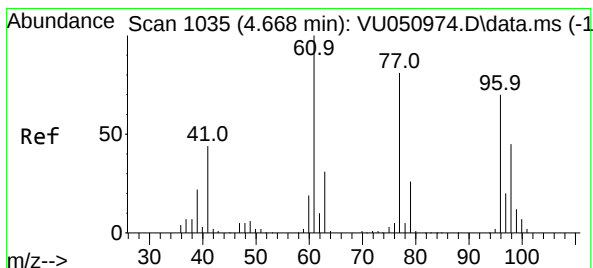
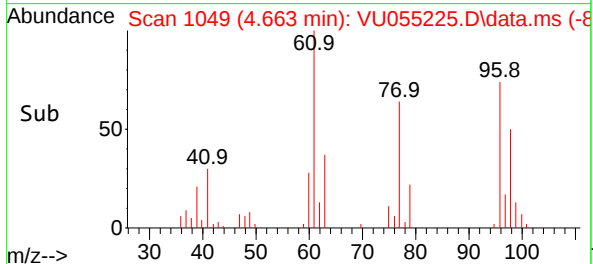
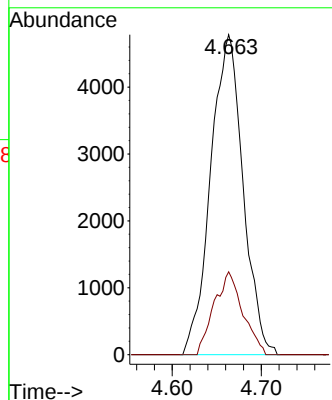
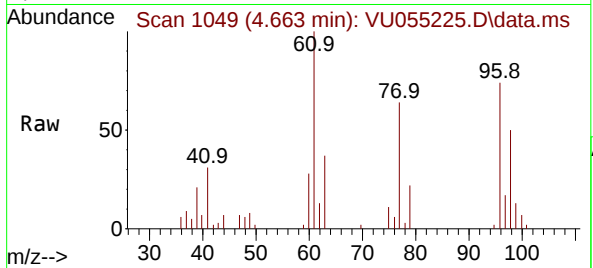
#21
2,2-Dichloropropane
Concen: 0.486 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 77 Resp: 1208
Ion Ratio Lower Upper
77 100
97 22.9 18.4 27.6

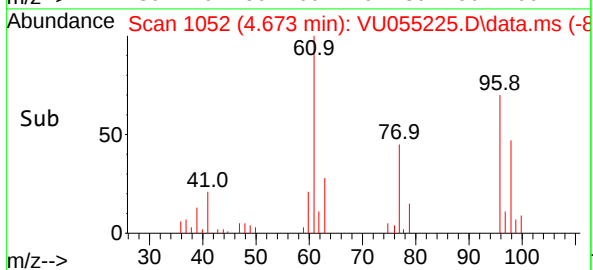
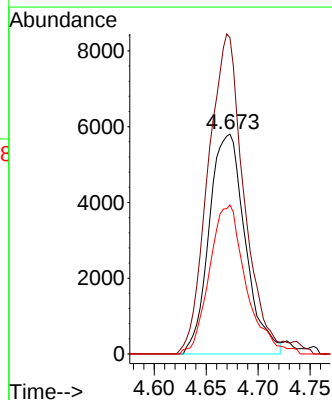
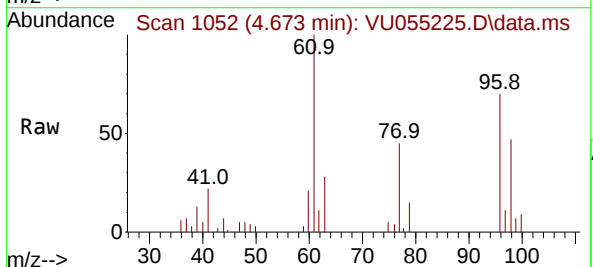
Manual Integrations
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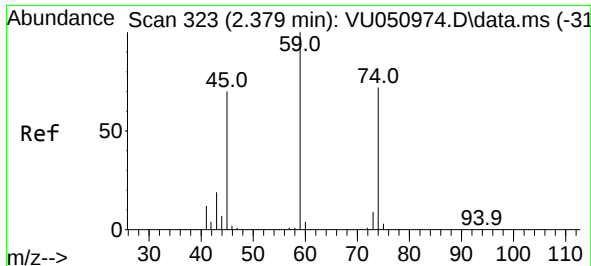
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#22
cis-1,2-Dichloroethene
Concen: 0.809 ug/l
RT: 4.673 min Scan# 1052
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

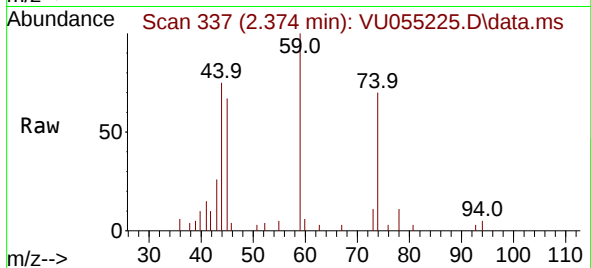
Tgt Ion: 96 Resp: 13981
Ion Ratio Lower Upper
96 100
61 145.1 0.0 365.8
98 68.5 32.0 96.0





#23
Diethyl Ether
Concen: 0.448 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

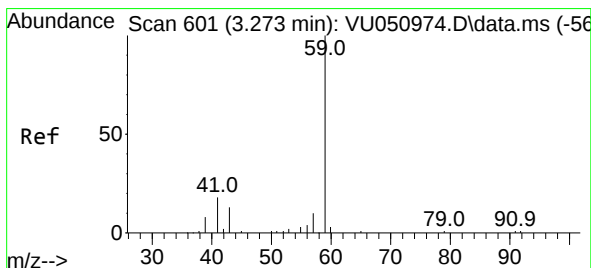
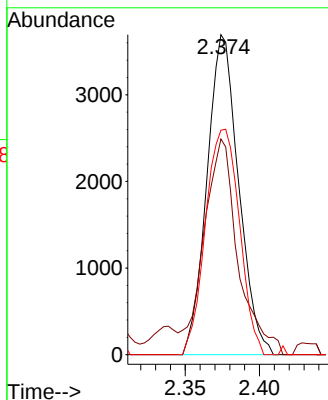
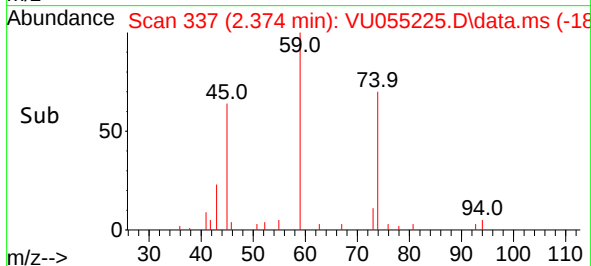
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5



Tgt Ion: 59 Resp: 5470
Ion Ratio Lower Upper
59 100
45 72.8 56.1 84.1
74 75.5 57.4 86.2

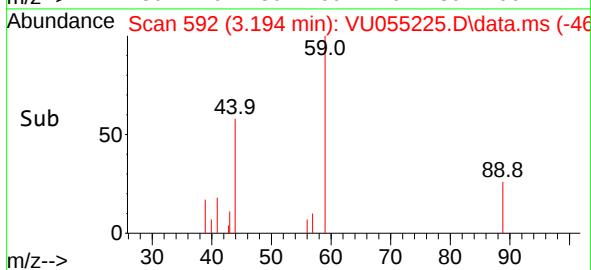
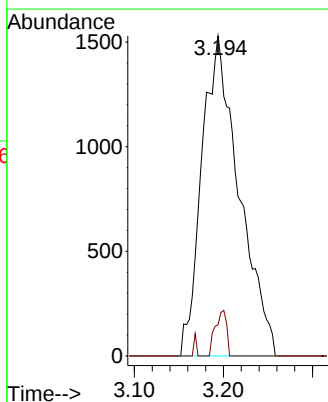
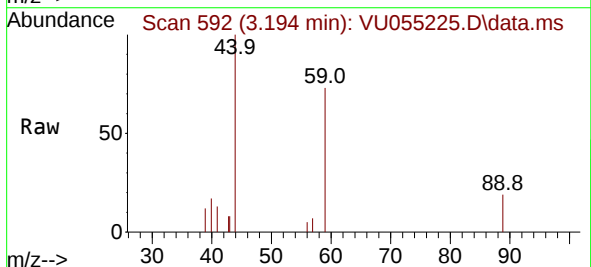
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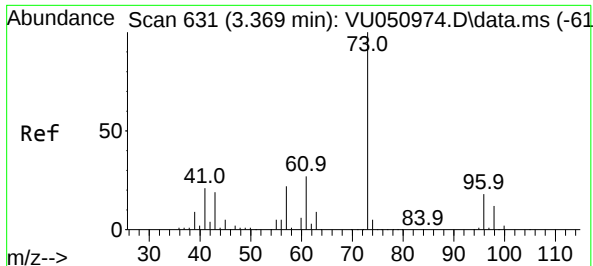
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#24
tert-Butyl Alcohol
Concen: 4.001 ug/l
RT: 3.194 min Scan# 592
Delta R.T. -0.079 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 59 Resp: 4443
Ion Ratio Lower Upper
59 100
57 4.3 105.6 158.4#





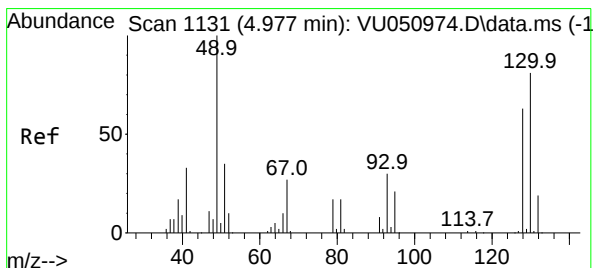
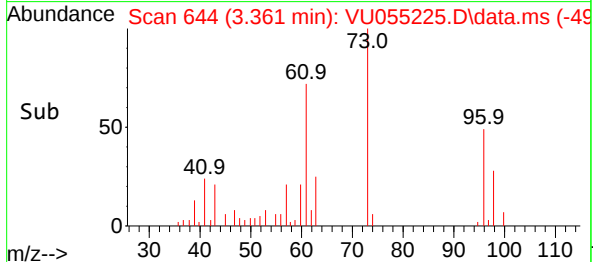
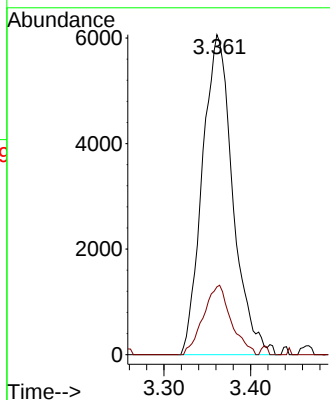
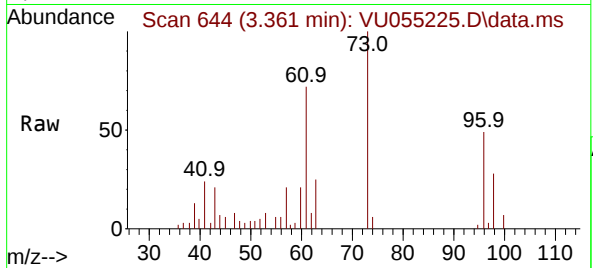
#25
Methyl tert-Butyl Ether
Concen: 0.434 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.008 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 1481
Ion Ratio Lower Upper
73 100
43 19.8 15.0 22.6

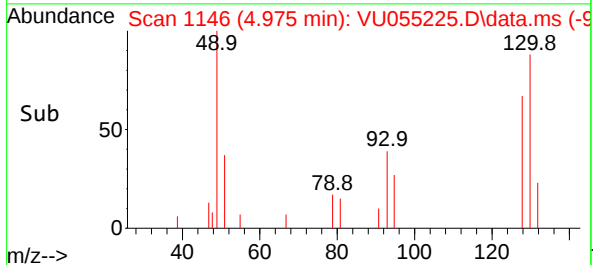
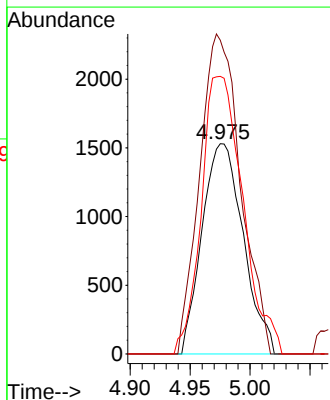
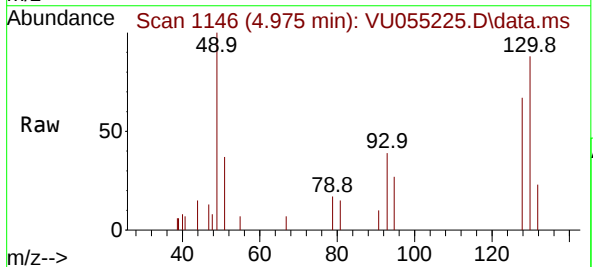
Manual Integrations
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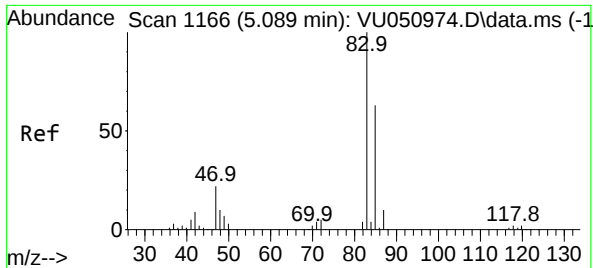
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#26
Bromochloromethane
Concen: 0.524 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:128 Resp: 3649
Ion Ratio Lower Upper
128 100
49 151.7 0.0 324.6
130 133.3 103.0 154.4





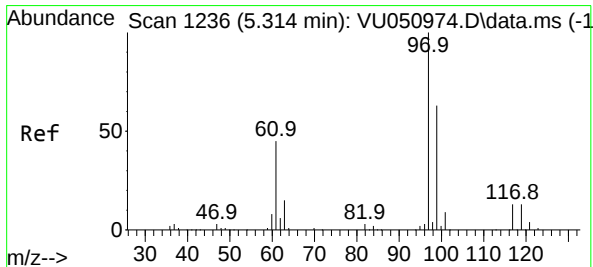
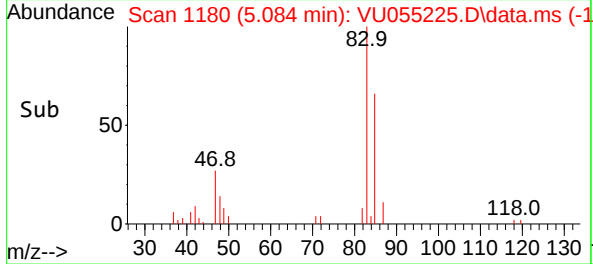
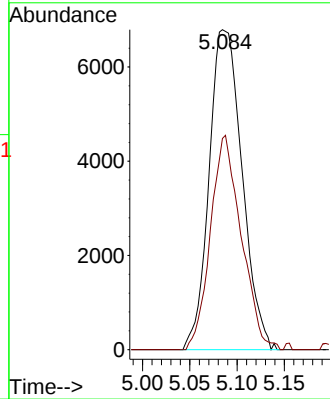
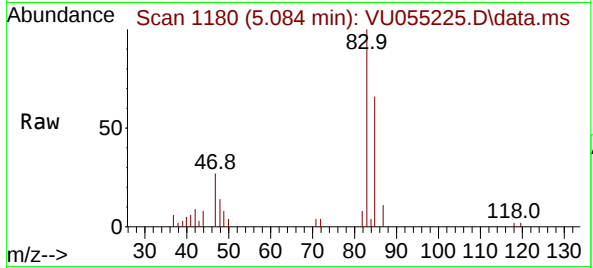
#27
Chloroform
Concen: 0.548 ug/l
RT: 5.084 min Scan# 1162
Delta R.T. -0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 1652
Ion Ratio Lower Upper
83 100
85 66.0 0.0 126.4

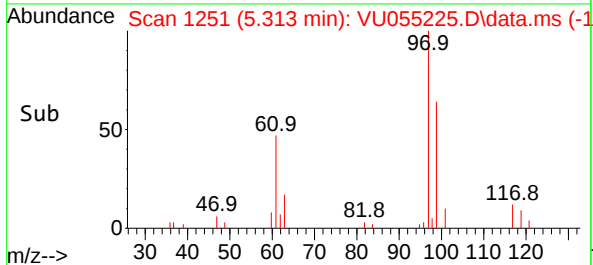
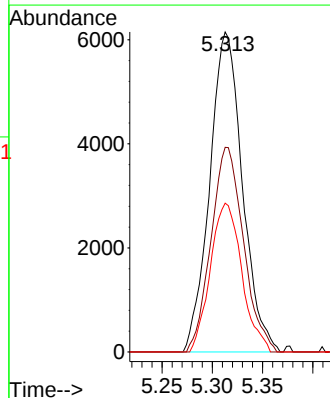
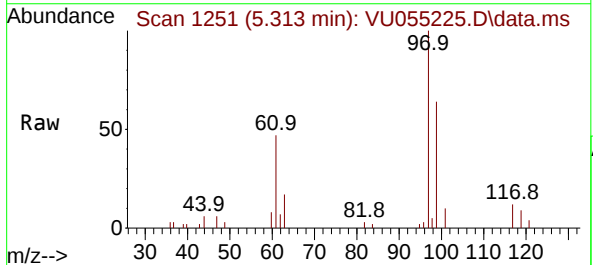
Manual Integrations
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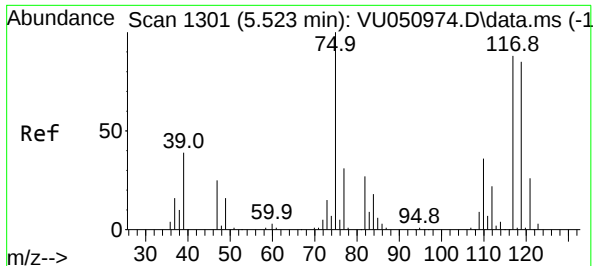
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#28
1,1,1-Trichloroethane
Concen: 0.536 ug/l
RT: 5.313 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 97 Resp: 13915
Ion Ratio Lower Upper
97 100
99 63.5 32.0 96.2
61 44.7 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.468 ug/l

RT: 5.528 min Scan# 11

Delta R.T. 0.005 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 1053

Ion Ratio Lower Upper

75 100

110 32.3 18.0 54.0

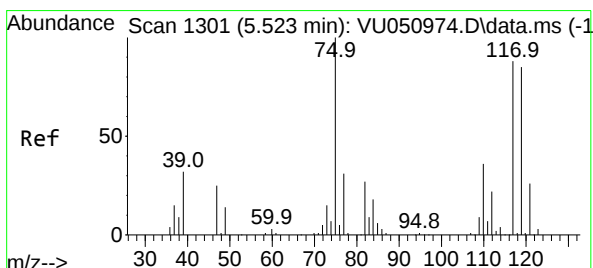
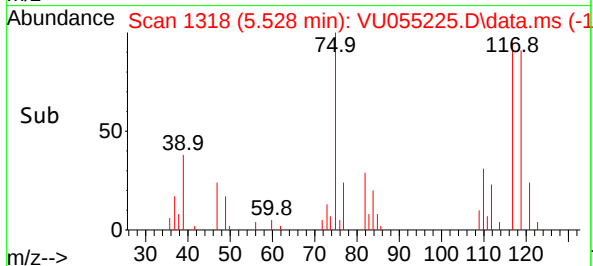
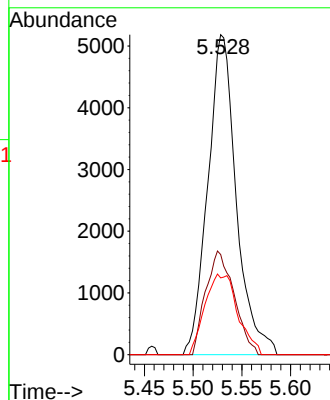
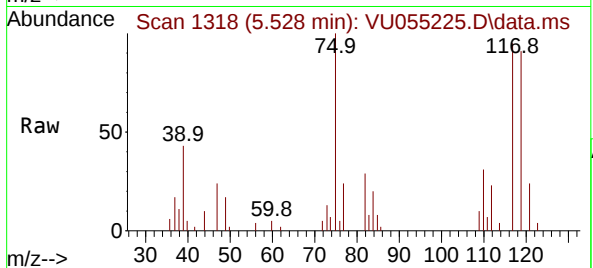
77 29.0 24.7 37.1

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Carbon Tetrachloride

Concen: 0.567 ug/l

RT: 5.522 min Scan# 1316

Delta R.T. -0.001 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

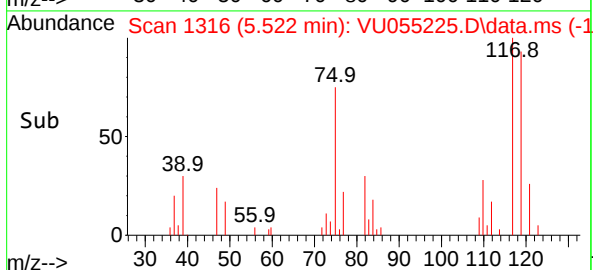
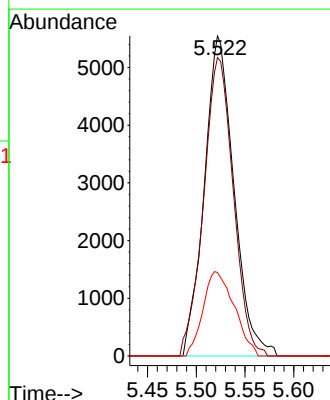
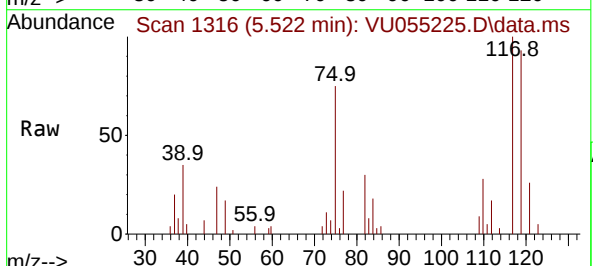
Tgt Ion:117 Resp: 11724

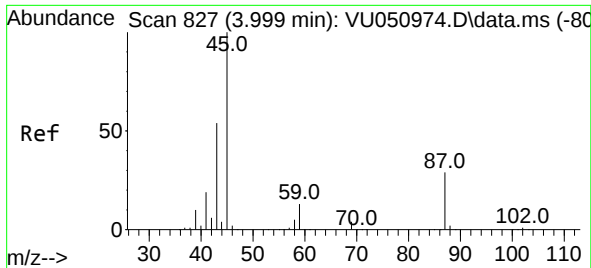
Ion Ratio Lower Upper

117 100

119 93.2 77.4 116.0

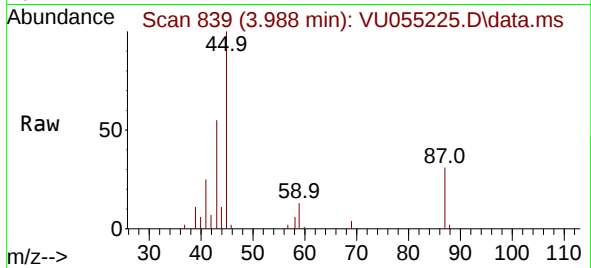
121 26.1 24.0 36.0





#31
Isopropyl Ether
Concen: 0.464 ug/l
RT: 3.988 min Scan# 811
Delta R.T. -0.011 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

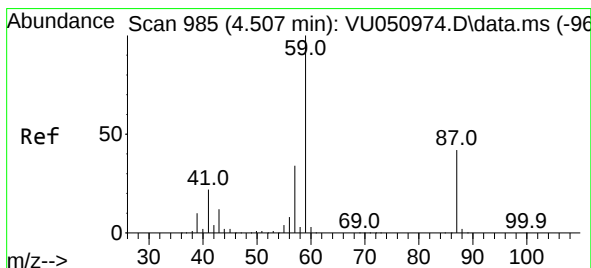
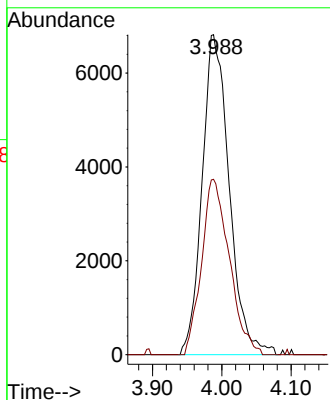
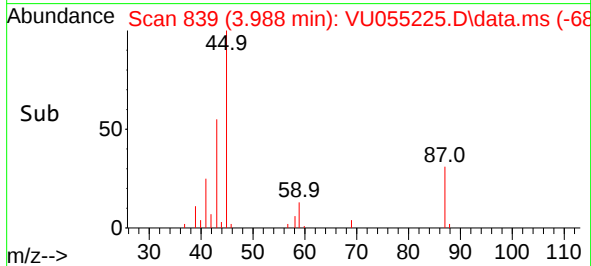
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



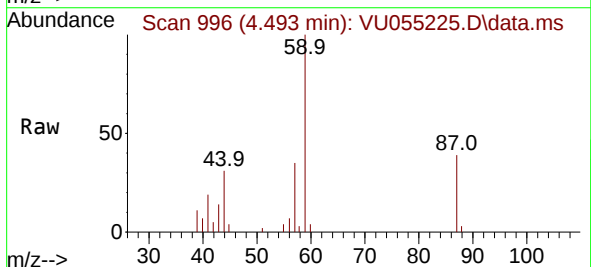
Tgt Ion: 45 Resp: 1852
Ion Ratio Lower Upper
45 100
43 56.2 27.5 82.5

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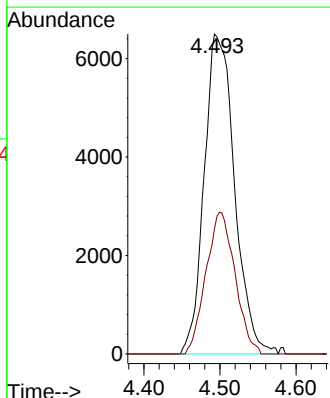
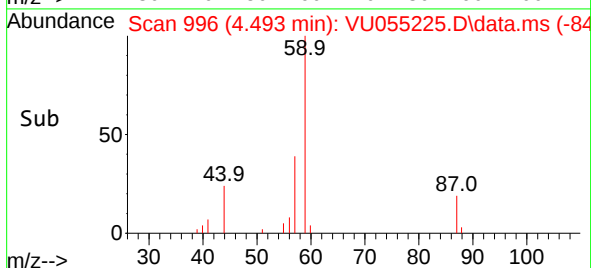
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

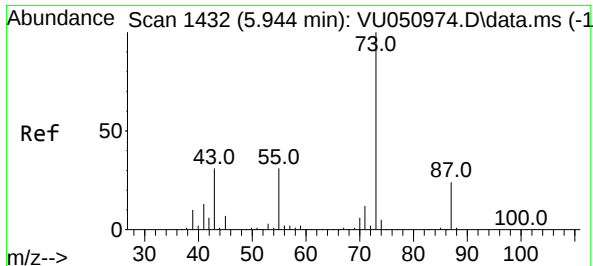


#32
Ethyl-t-butyl ether
Concen: 0.439 ug/l
RT: 4.493 min Scan# 996
Delta R.T. -0.014 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10



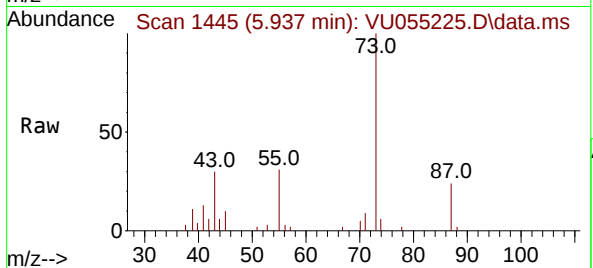
Tgt Ion: 59 Resp: 18019
Ion Ratio Lower Upper
59 100
87 42.4 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 0.422 ug/l
RT: 5.937 min Scan# 1432
Delta R.T. -0.007 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

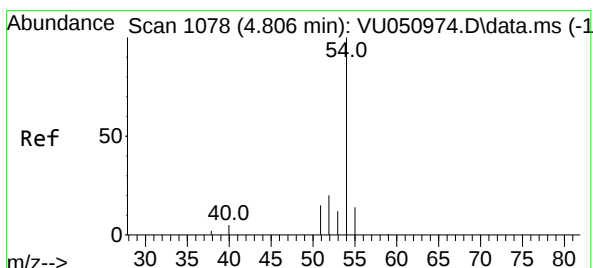
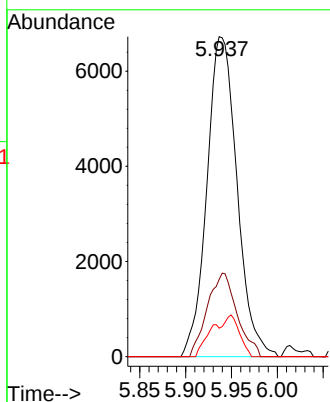
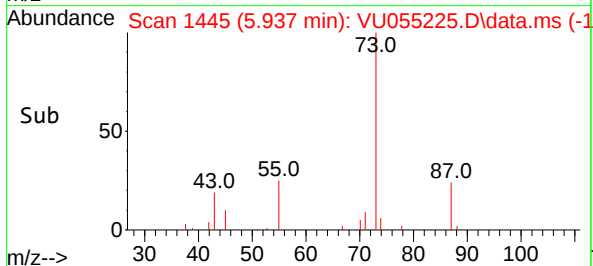
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



Tgt Ion: 73 Resp: 1537
Ion Ratio Lower Upper
73 100
87 25.7 18.6 28.0
71 4.7 9.9 14.9

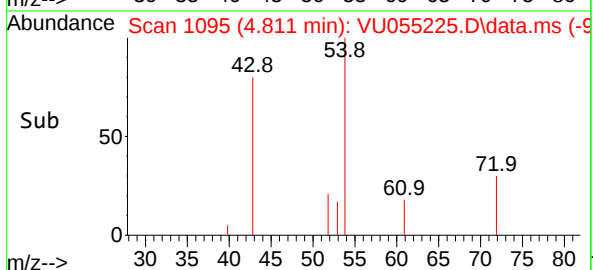
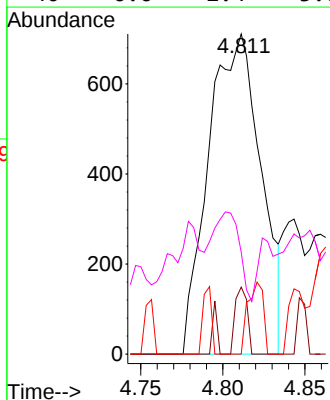
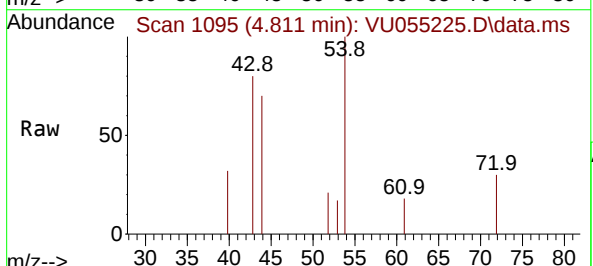
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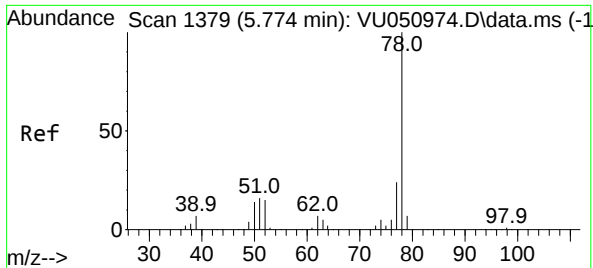
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#34
Propionitrile
Concen: 1.569 ug/l
RT: 4.811 min Scan# 1095
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 54 Resp: 1579
Ion Ratio Lower Upper
54 100
52 4.8 17.4 26.0#
55 6.6 104.1 156.1#
40 6.6 2.4 3.6#





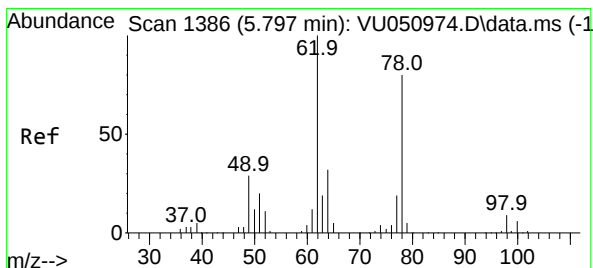
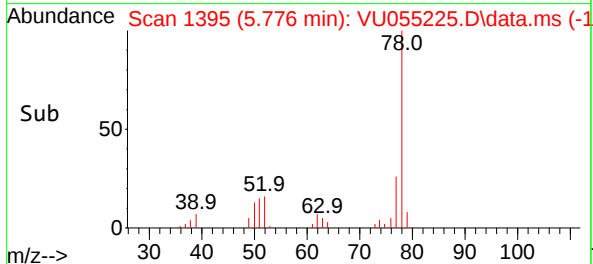
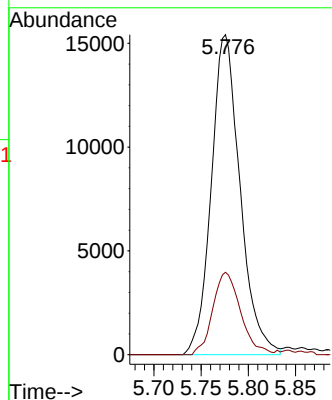
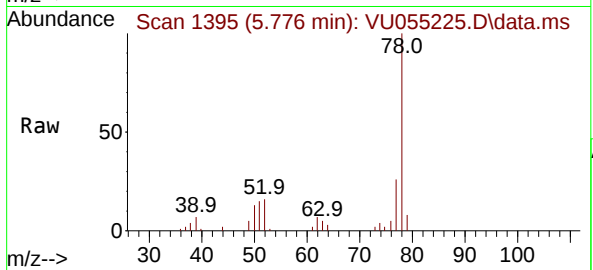
#35
Benzene
Concen: 0.496 ug/l
RT: 5.776 min Scan# 11
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 78 Resp: 32620
Ion Ratio Lower Upper
78 100
77 25.7 18.9 28.3

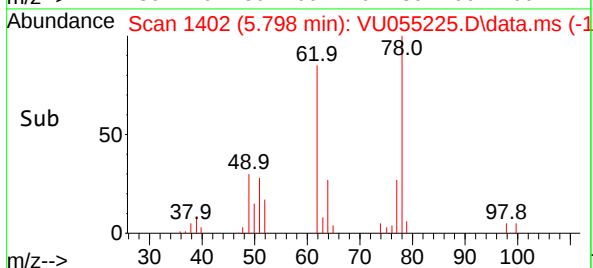
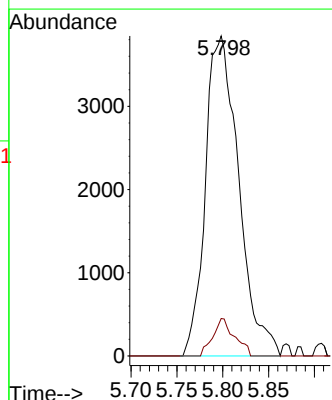
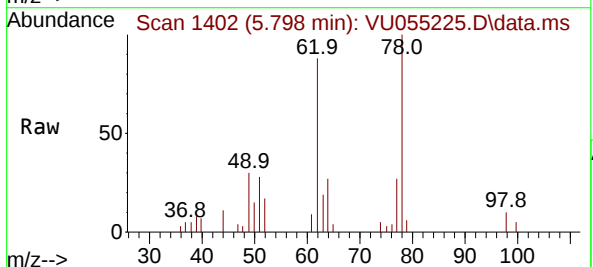
Manual Integrations
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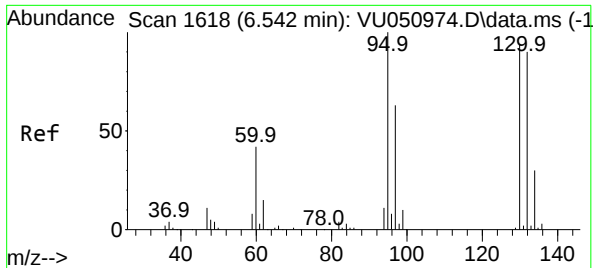
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 0.514 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 62 Resp: 9705
Ion Ratio Lower Upper
62 100
98 7.6 7.3 10.9





#37

Trichloroethene

Concen: 0.673 ug/l

RT: 6.541 min Scan# 1710

Delta R.T. -0.001 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion:130 Resp: 11129

Ion Ratio Lower Upper

130 100

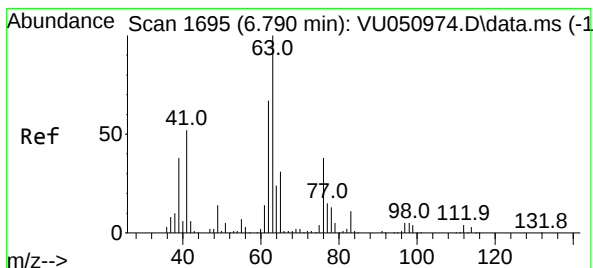
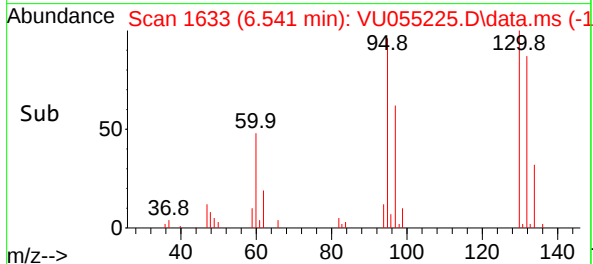
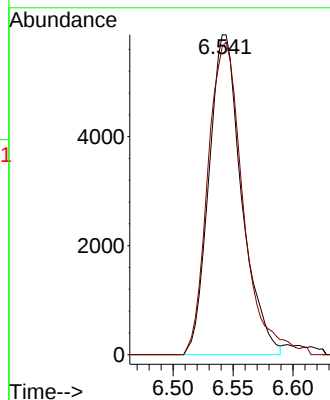
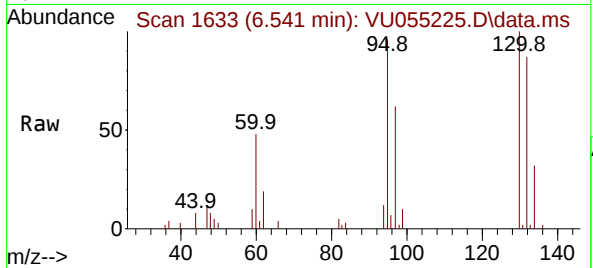
95 96.3 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

1,2-Dichloropropane

Concen: 0.512 ug/l

RT: 6.789 min Scan# 1710

Delta R.T. -0.001 min

Lab File: VU055225.D

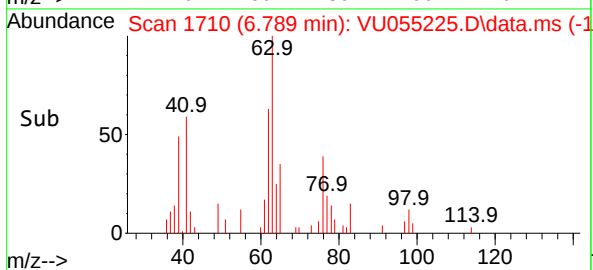
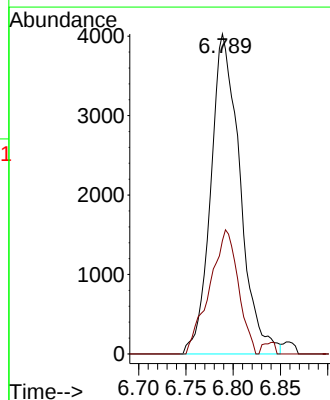
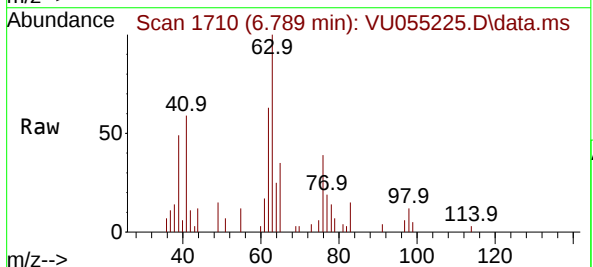
Acq: 11 Sep 2023 09:10

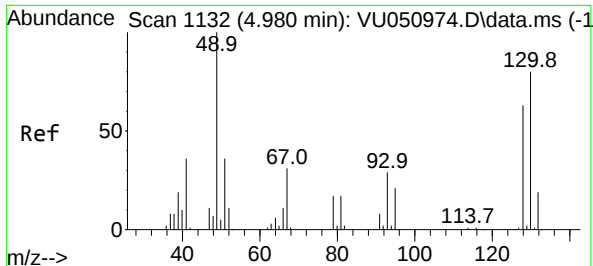
Tgt Ion: 63 Resp: 8633

Ion Ratio Lower Upper

63 100

65 35.5 24.9 37.3





#39

Methacrylonitrile

Concen: 0.382 ug/l m

RT: 4.998 min Scan# 1153

Delta R.T. 0.018 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 1568

Ion Ratio Lower Upper

41 100

67 62.0 66.8 100.2

39 37.1 41.2 61.8

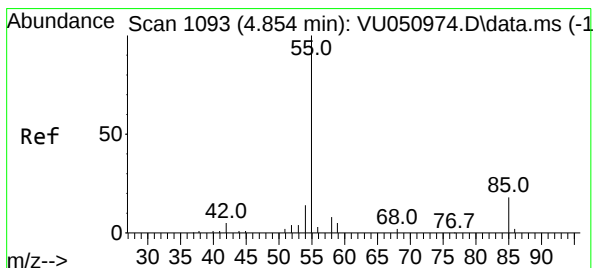
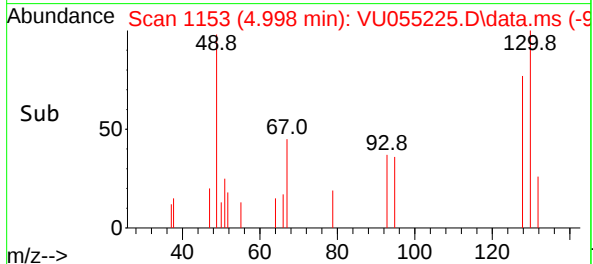
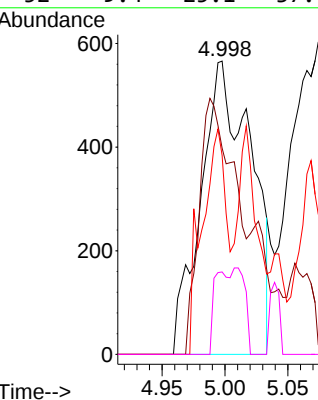
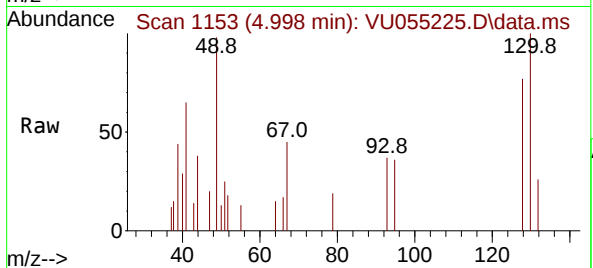
52 9.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Methyl acrylate

Concen: 0.281 ug/l m

RT: 4.898 min Scan# 1122

Delta R.T. 0.044 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion: 55 Resp: 2089

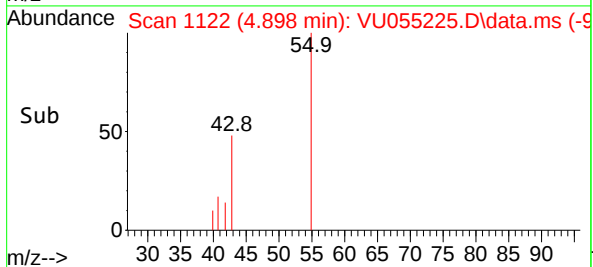
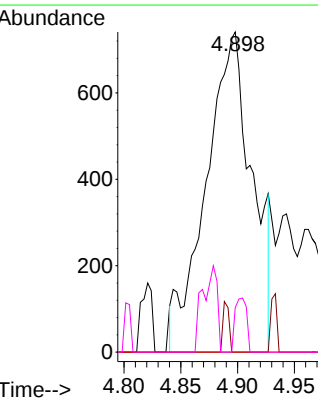
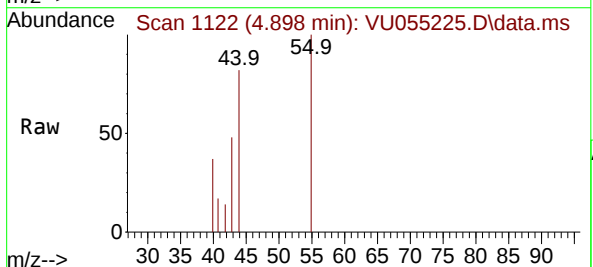
Ion Ratio Lower Upper

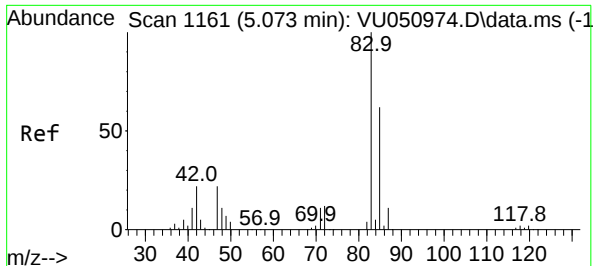
55 100

85 0.0 13.3 19.9

58 0.0 6.5 9.7

42 8.5 5.9 8.9





#41

Tetrahydrofuran

Concen: 0.971 ug/l

RT: 5.075 min Scan# 1161

Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 42 Resp: 208

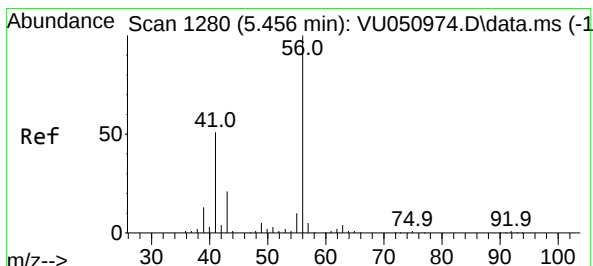
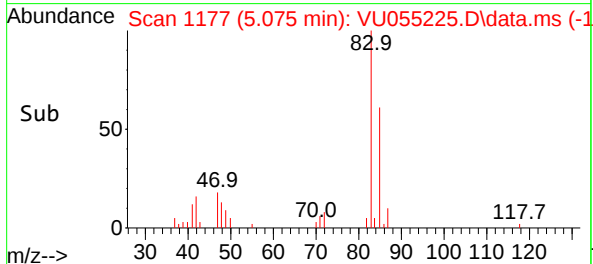
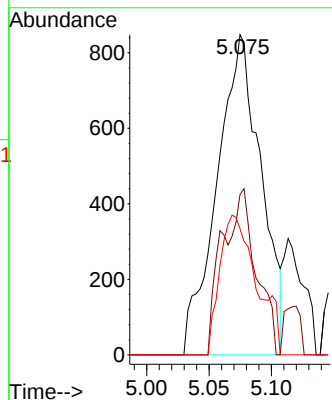
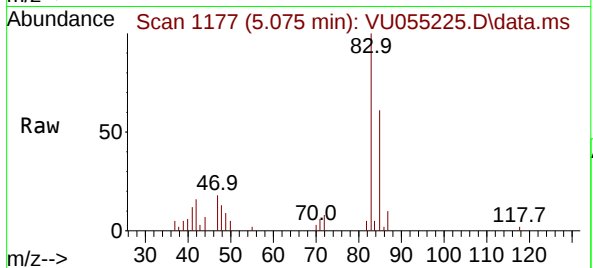
Ion	Ratio	Lower	Upper
42	100		
72	24.7	40.9	61.3
71	33.7	36.9	55.3

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#42

1-Chlorobutane

Concen: 0.424 ug/l

RT: 5.461 min Scan# 1297

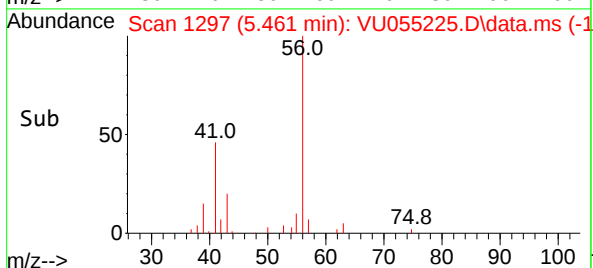
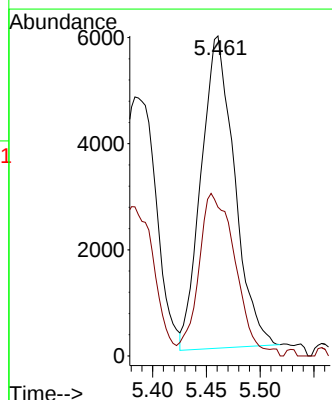
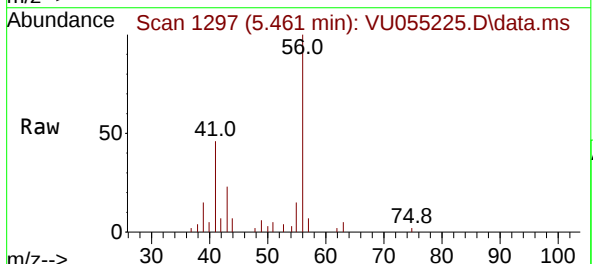
Delta R.T. 0.005 min

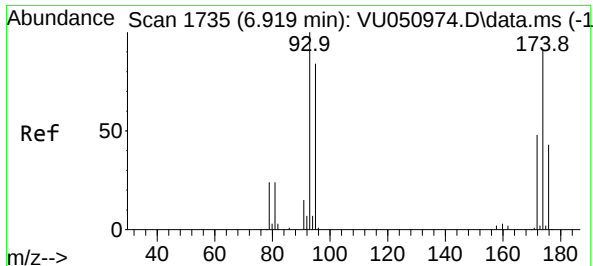
Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion: 56 Resp: 12691

Ion	Ratio	Lower	Upper
56	100		
41	57.2	25.2	75.6





#43

Dibromomethane

Concen: 0.519 ug/l

RT: 6.920 min Scan# 11

Delta R.T. 0.001 min

Lab File: VU055225.D

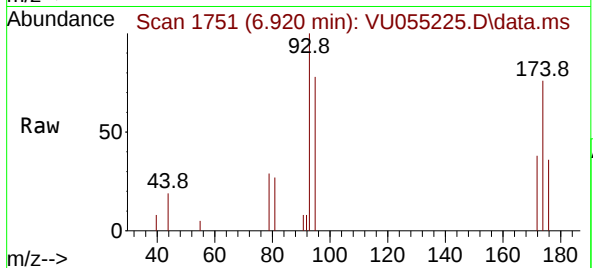
Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5



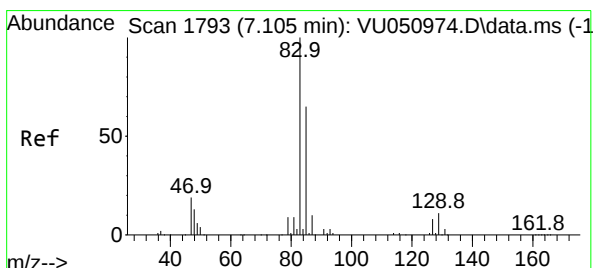
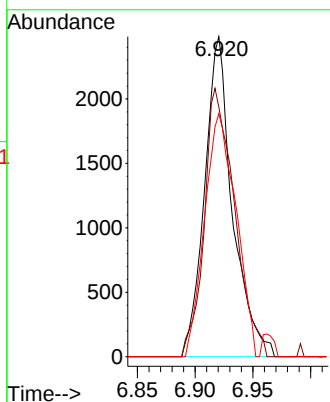
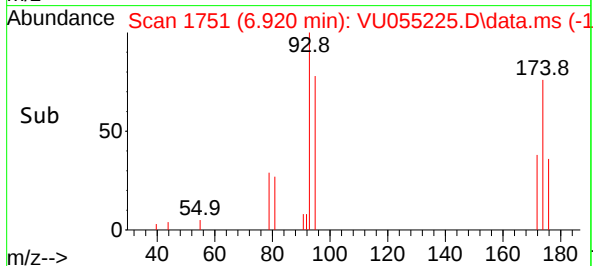
Tgt Ion:	93	Resp:	416
Ion	Ratio	Lower	Upper
93	100		
95	91.2	67.0	100.6
174	85.5	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Bromodichloromethane

Concen: 0.518 ug/l

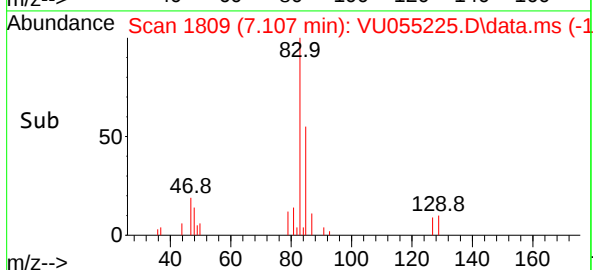
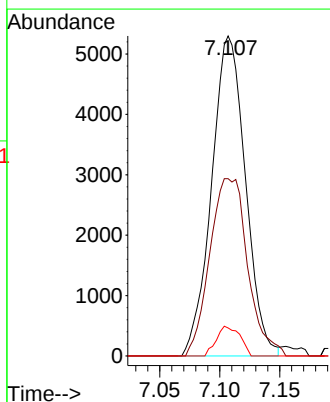
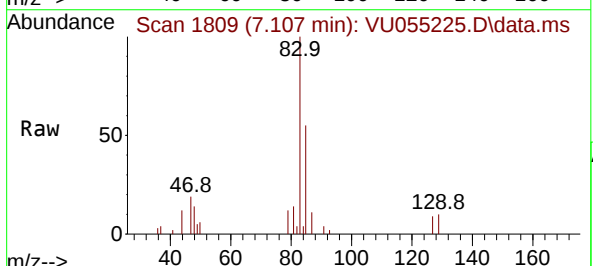
RT: 7.107 min Scan# 1809

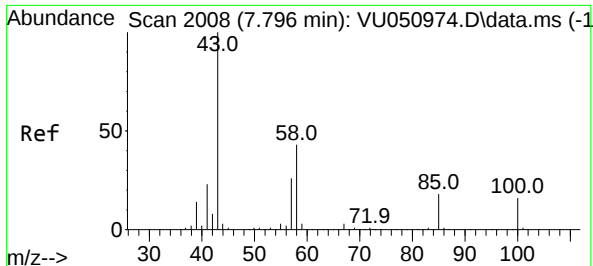
Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion:	83	Resp:	10401
Ion	Ratio	Lower	Upper
83	100		
85	55.4	51.9	77.9
127	8.7	6.7	10.1





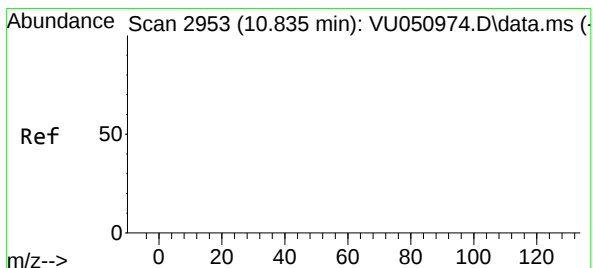
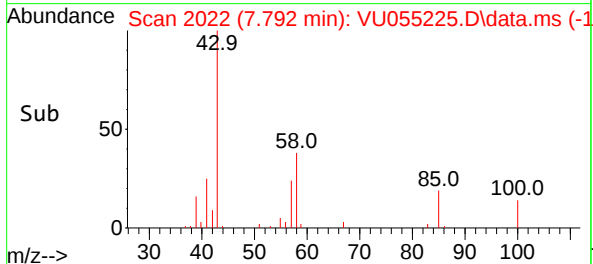
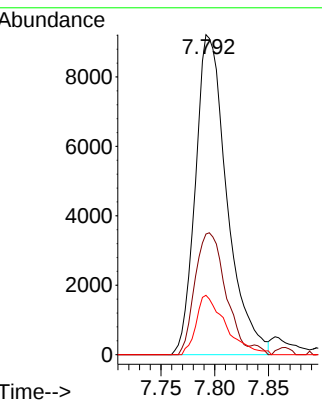
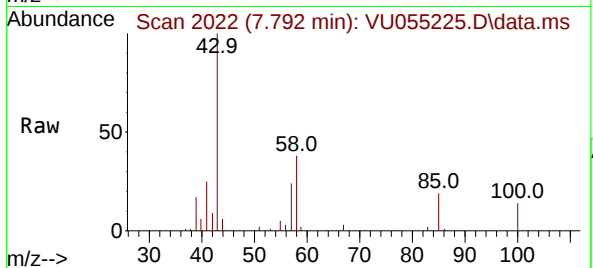
#45
4-Methyl-2-Pentanone
Concen: 2.249 ug/l
RT: 7.792 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 18729
Ion Ratio Lower Upper
43 100
58 36.8 20.9 62.8
85 17.5 14.6 21.8

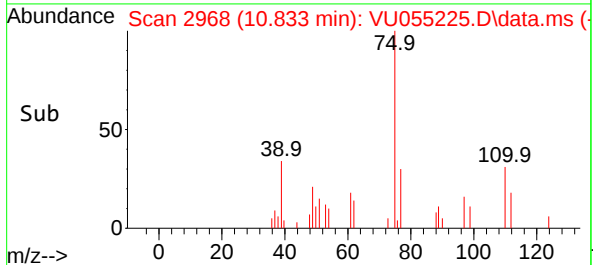
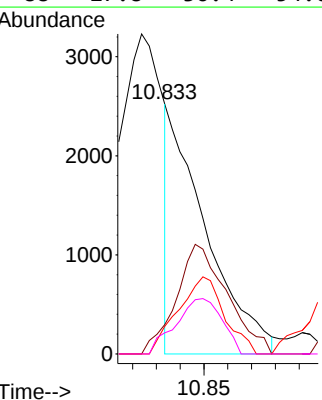
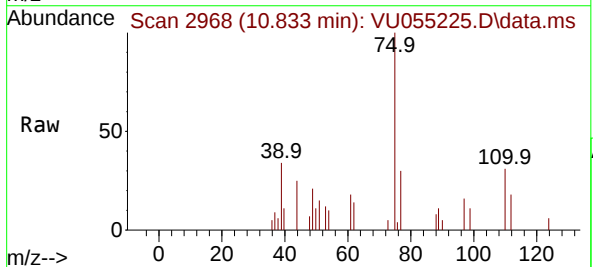
Manual Integrations
APPROVED

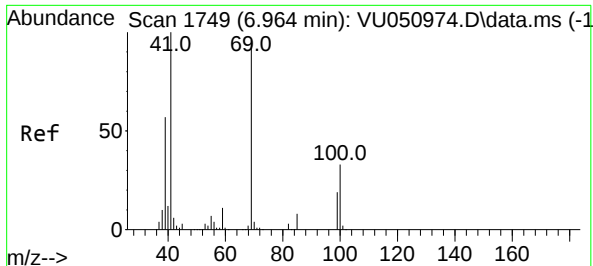
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#46
t-1,4-Dichloro-2-butene
Concen: 0.594 ug/l m
RT: 10.833 min Scan# 2968
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 75 Resp: 2712
Ion Ratio Lower Upper
75 100
53 60.5 73.3 109.9#
89 38.8 48.2 72.4#
88 27.8 36.4 54.6#





#47

Methyl methacrylate

Concen: 0.685 ug/l

RT: 6.969 min Scan# 1749

Delta R.T. 0.005 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 69 Resp: 5059

Ion Ratio Lower Upper

69 100

41 122.1 0.0 209.2

39 61.1 46.7 70.1

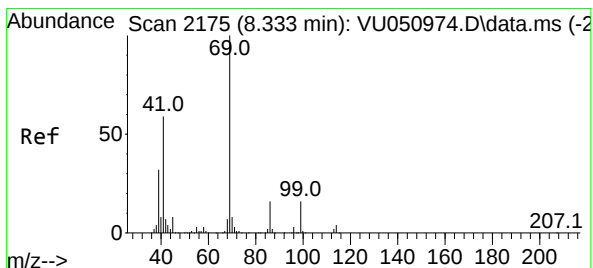
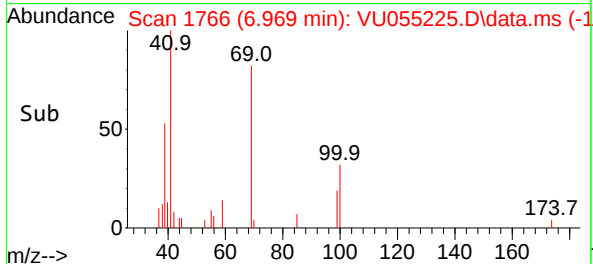
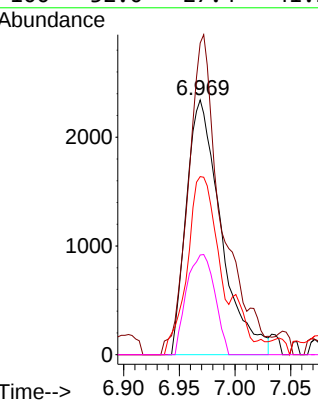
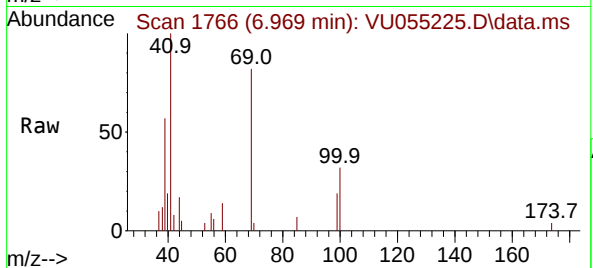
100 32.0 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Ethyl methacrylate

Concen: 0.359 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.005 min

Lab File: VU055225.D

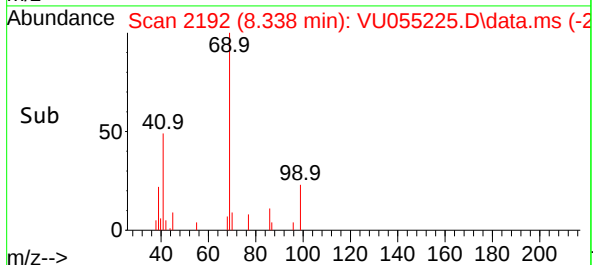
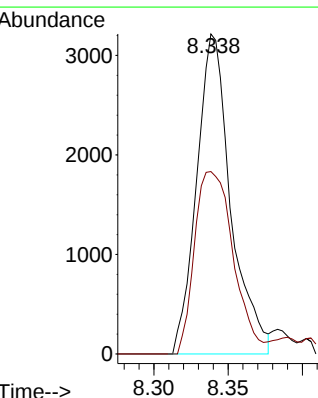
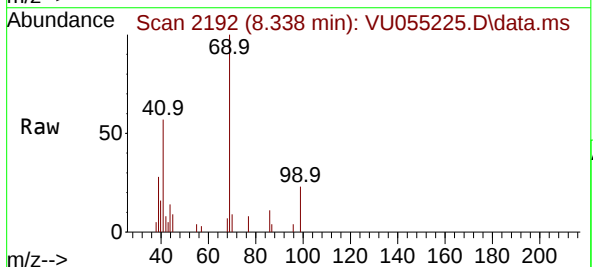
Acq: 11 Sep 2023 09:10

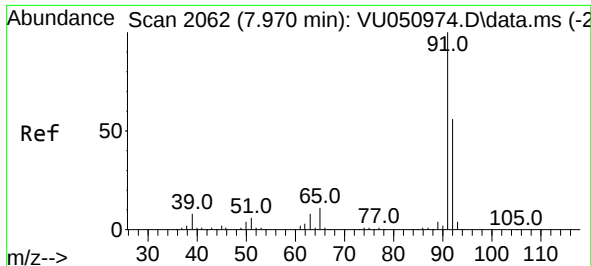
Tgt Ion: 69 Resp: 5144

Ion Ratio Lower Upper

69 100

41 64.5 30.3 90.8





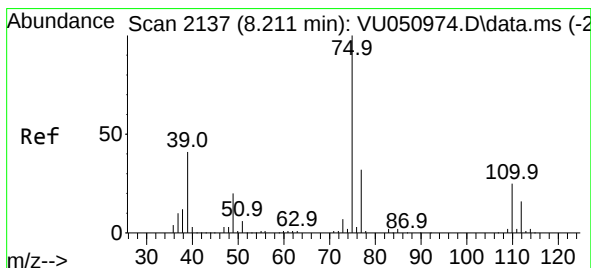
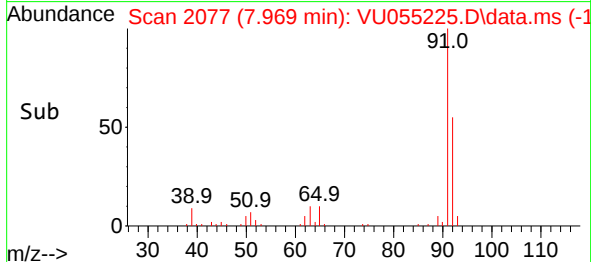
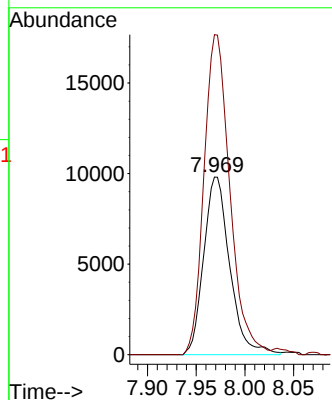
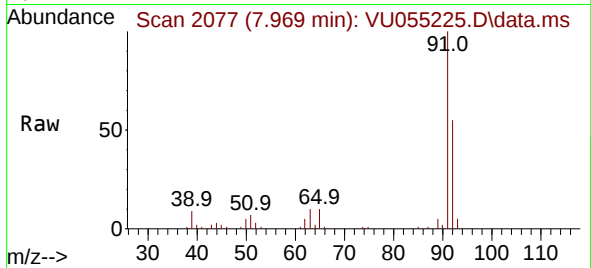
#49
Toluene
Concen: 0.454 ug/l
RT: 7.969 min Scan# 2062
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion: 92 Resp: 18278
Ion Ratio Lower Upper
92 100
91 178.5 143.0 214.6

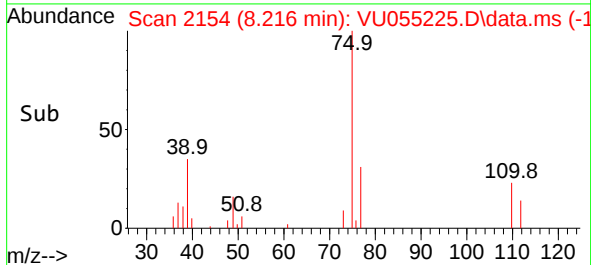
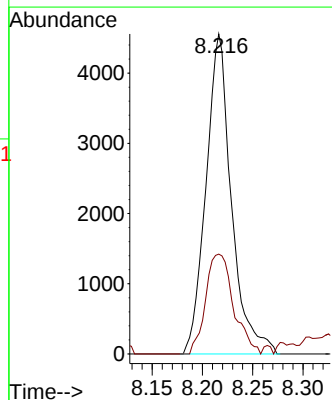
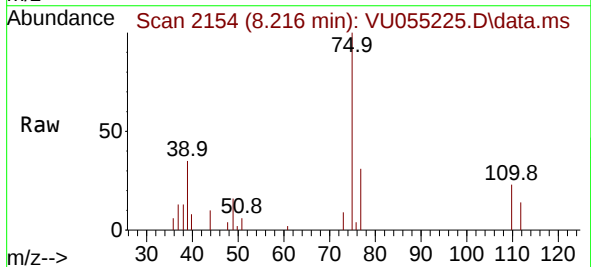
Manual Integrations
APPROVED

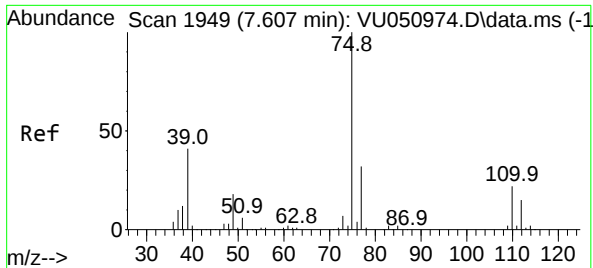
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#50
t-1,3-Dichloropropene
Concen: 0.431 ug/l
RT: 8.216 min Scan# 2154
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion: 75 Resp: 8014
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.449 ug/l
 RT: 7.609 min Scan# 1949
 Delta R.T. 0.002 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

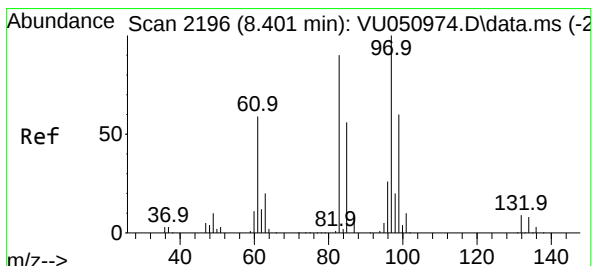
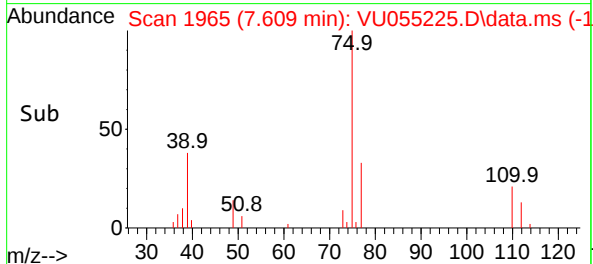
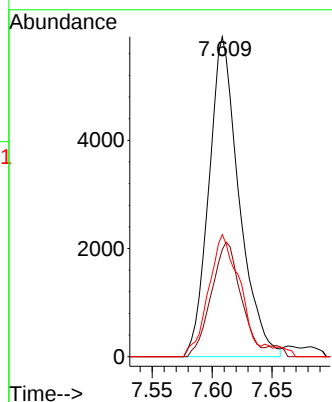
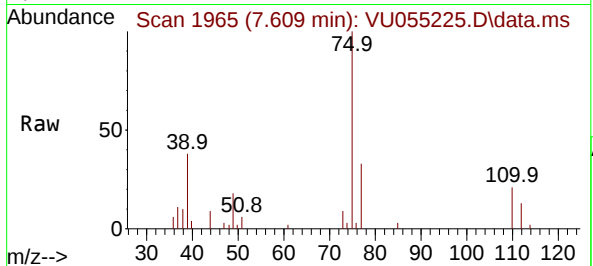
VSTDIC0.5

Tgt Ion: 75 Resp: 10344
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.7 38.5
 39 35.9 32.8 49.2

Manual Integrations

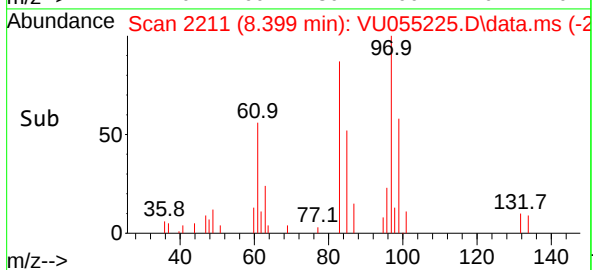
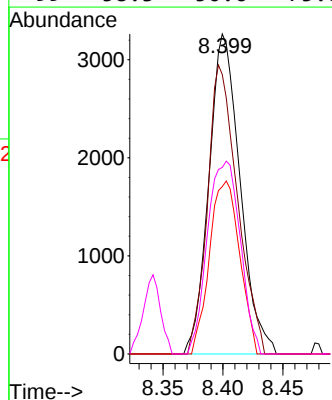
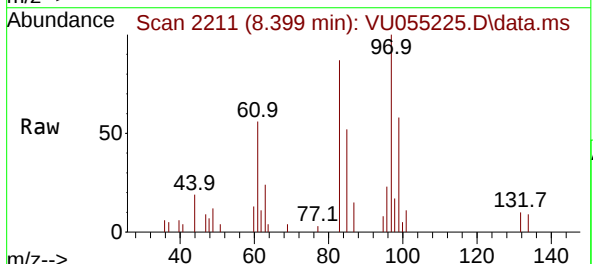
APPROVED

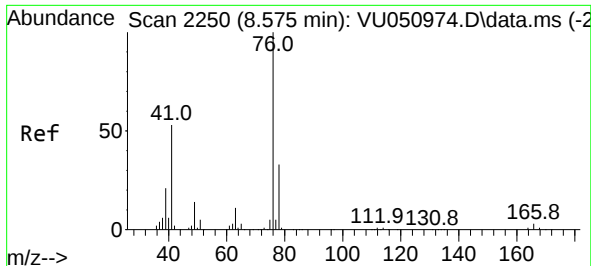
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.506 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. -0.002 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

Tgt Ion: 97 Resp: 5893
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.8 107.8
 85 52.3 45.2 67.8
 99 58.3 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.486 ug/l

RT: 8.576 min Scan# 2101

Delta R.T. 0.001 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 76 Resp: 9750

Ion Ratio Lower Upper

76 100

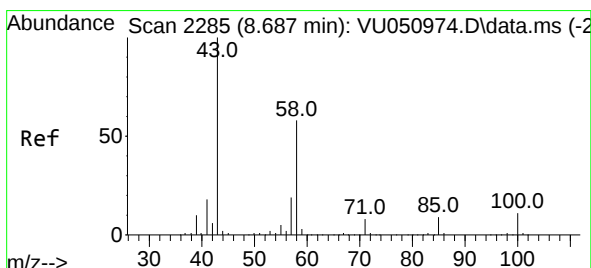
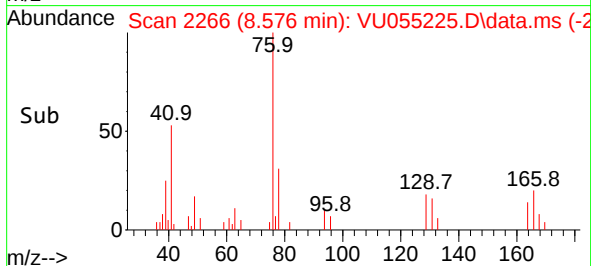
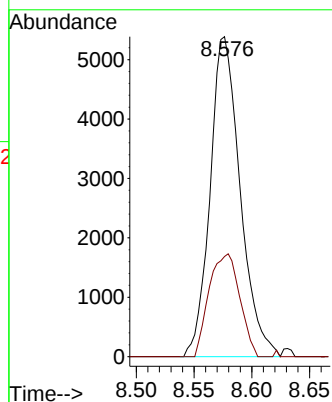
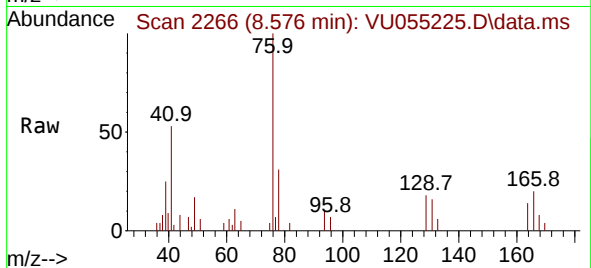
78 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

2-Hexanone

Concen: 2.129 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

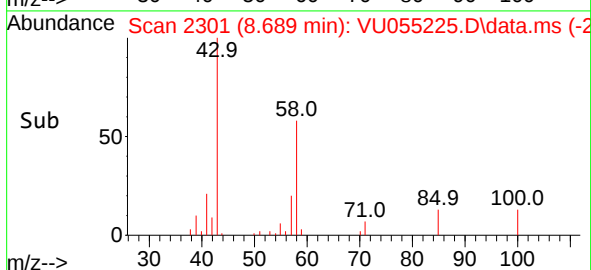
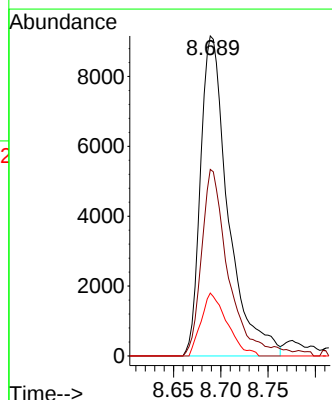
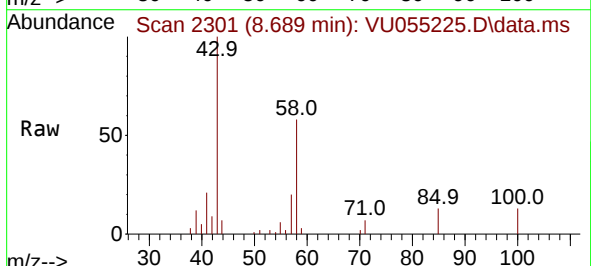
Tgt Ion: 43 Resp: 18600

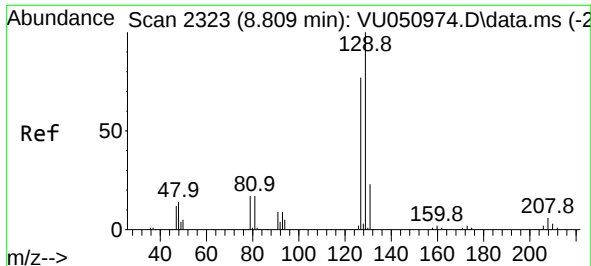
Ion Ratio Lower Upper

43 100

58 55.4 38.2 78.2

57 18.5 0.0 39.1





#55

Dibromochloromethane

Concen: 0.534 ug/l

RT: 8.808 min Scan# 21

Delta R.T. -0.001 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

Tgt Ion:129 Resp: 632

Ion Ratio Lower Upper

129 100

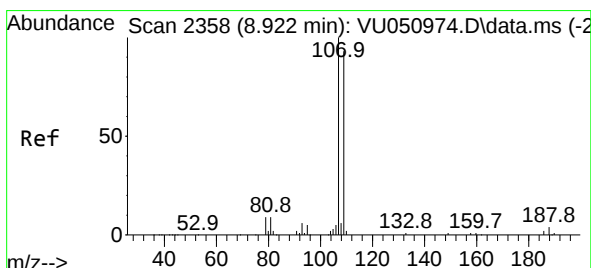
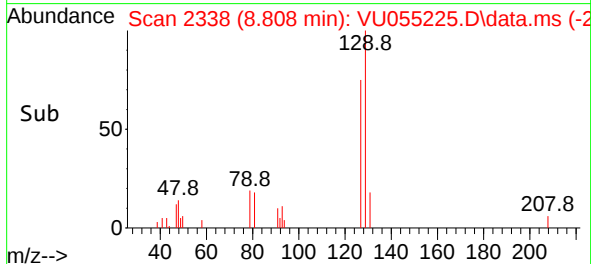
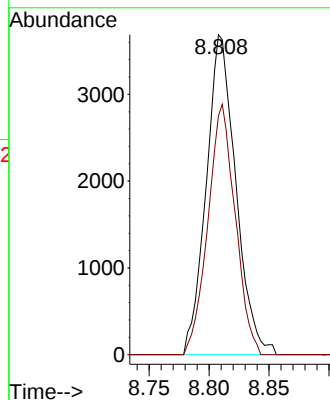
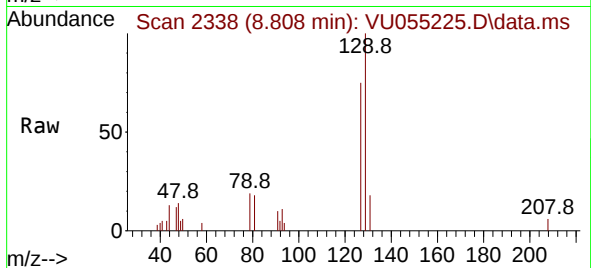
127 72.3 61.4 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

1,2-Dibromoethane

Concen: 0.489 ug/l

RT: 8.927 min Scan# 2375

Delta R.T. 0.005 min

Lab File: VU055225.D

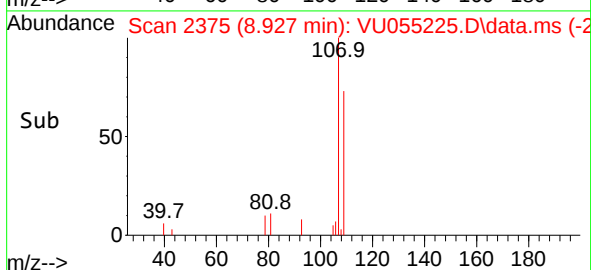
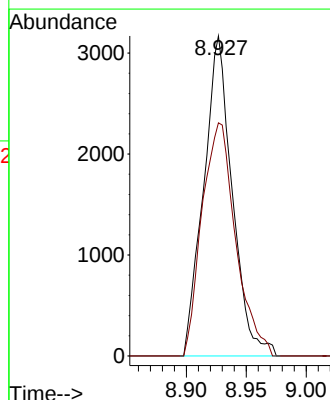
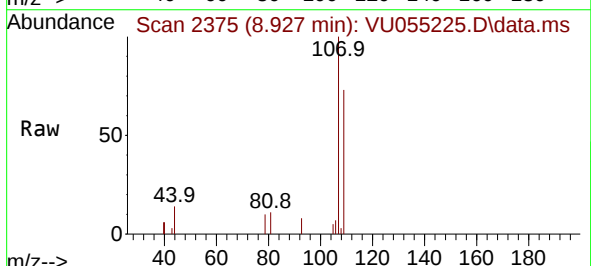
Acq: 11 Sep 2023 09:10

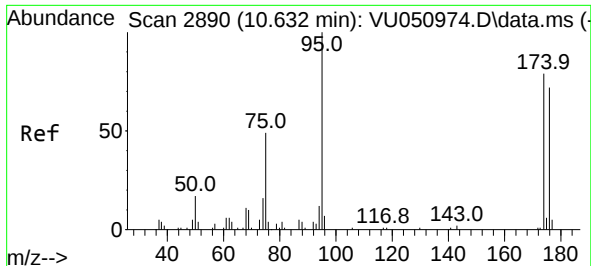
Tgt Ion:107 Resp: 5244

Ion Ratio Lower Upper

107 100

109 85.9 0.0 184.4





#57

4-Bromofluorobenzene

Concen: 1.127 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC0.5

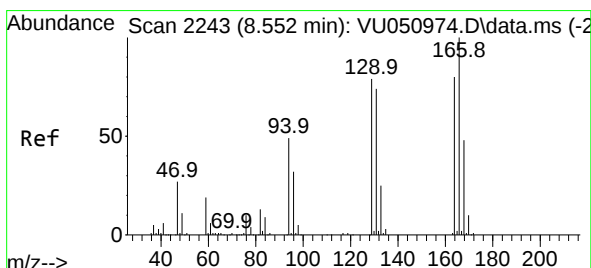
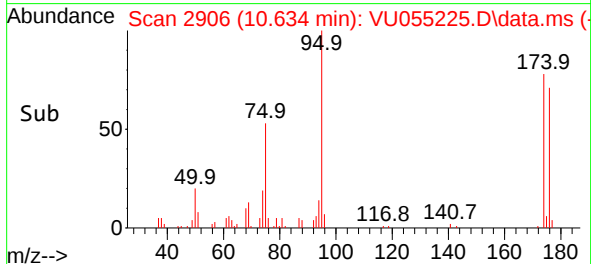
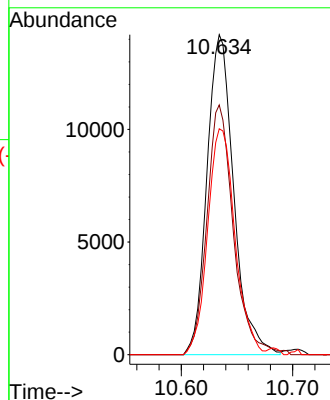
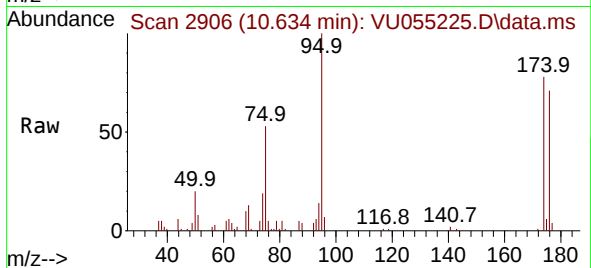
Tgt Ion:	95	Resp:	2369
Ion Ratio	Lower	Upper	
95	100		
174	77.7	63.3	94.9
176	72.4	59.3	88.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

Tetrachloroethene

Concen: 0.680 ug/l

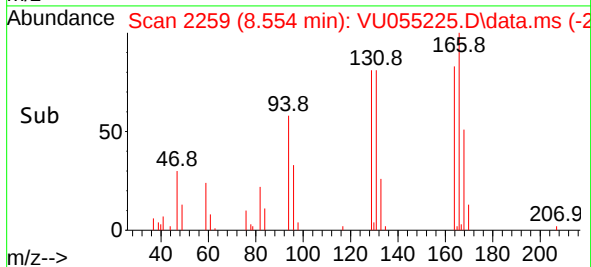
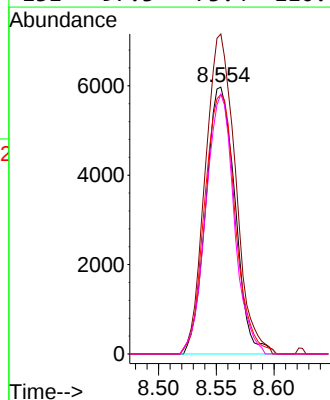
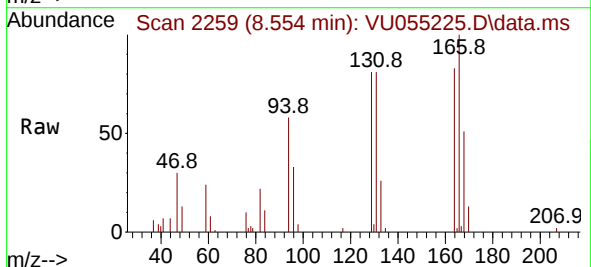
RT: 8.554 min Scan# 2259

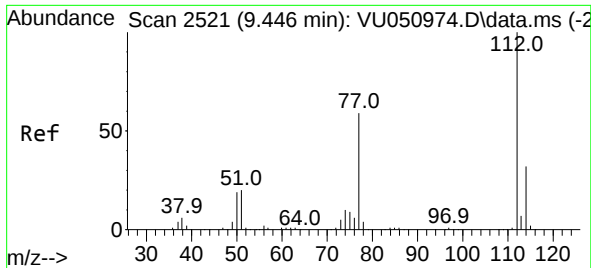
Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion:	164	Resp:	10518
Ion Ratio	Lower	Upper	
164	100		
166	119.9	99.6	149.4
129	97.3	78.6	117.8
131	97.3	73.4	110.0





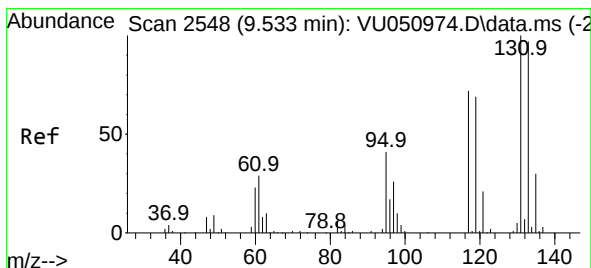
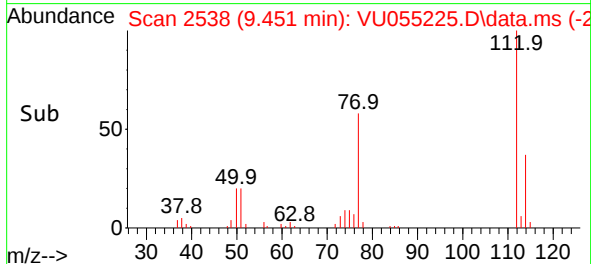
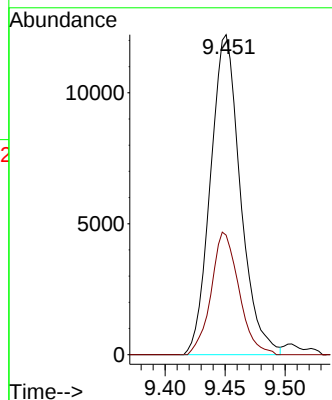
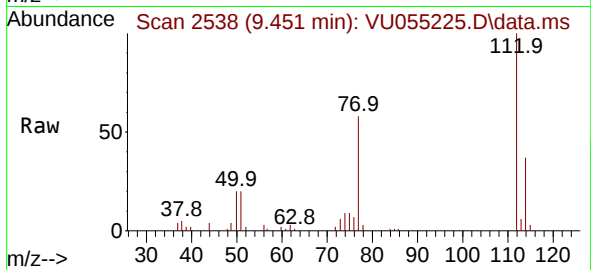
#59
Chlorobenzene
Concen: 0.478 ug/l
RT: 9.451 min Scan# 21208
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 21208
Ion Ratio Lower Upper
112 100
114 37.4 25.6 38.4

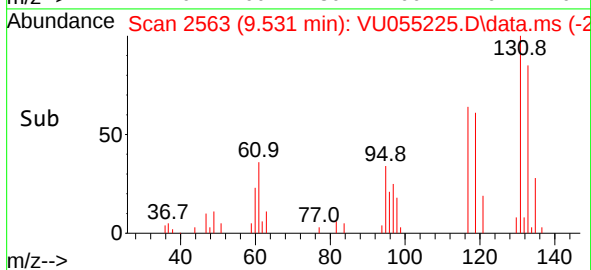
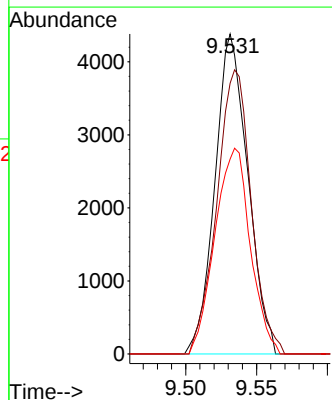
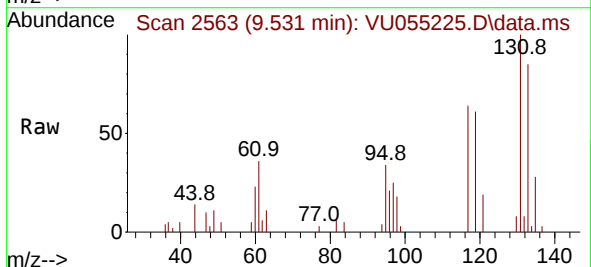
Manual Integrations
APPROVED

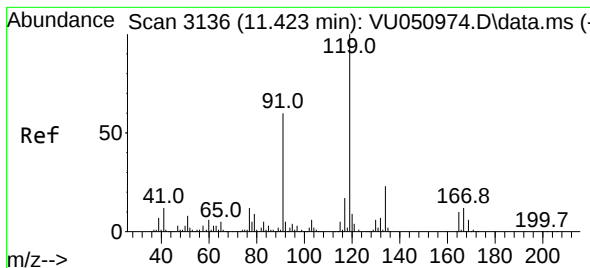
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.524 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:131 Resp: 7066
Ion Ratio Lower Upper
131 100
133 92.9 77.8 116.6
119 69.4 55.2 82.8





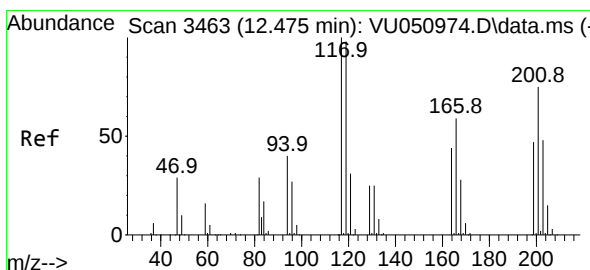
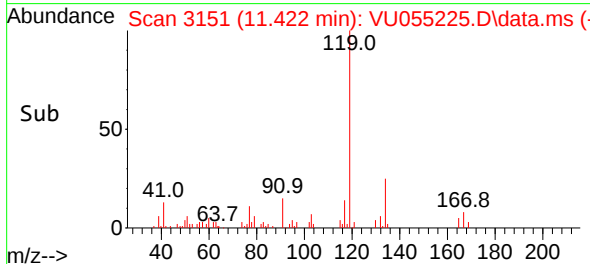
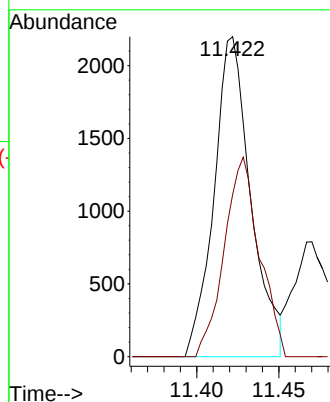
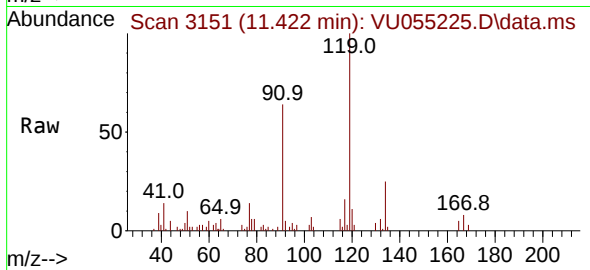
#61
Pentachloroethane
Concen: 0.362 ug/l
RT: 11.422 min Scan# 3136
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 3420
Ion Ratio Lower Upper
117 100
167 59.5 56.7 85.1

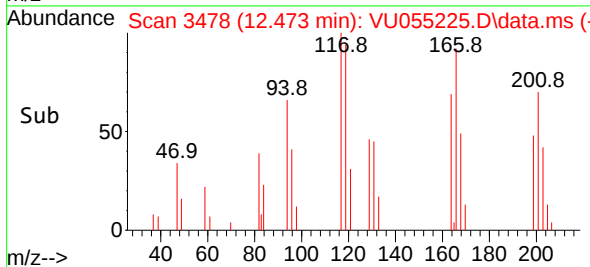
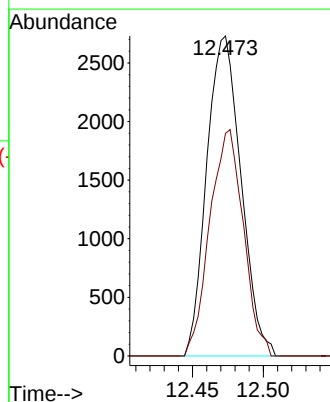
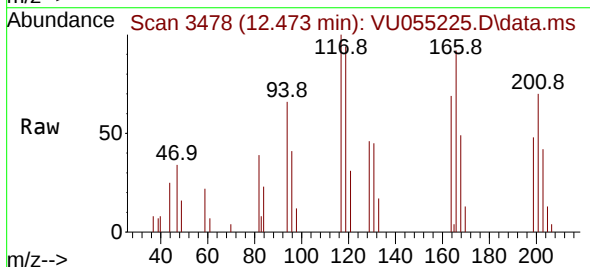
Manual Integrations
APPROVED

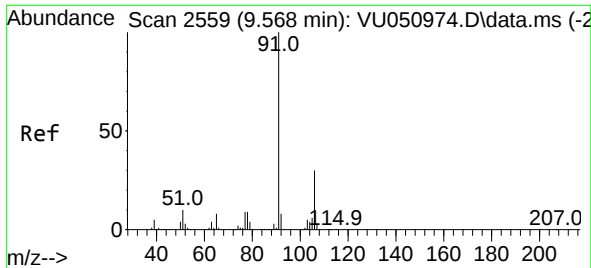
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
Hexachloroethane
Concen: 0.421 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:117 Resp: 4591
Ion Ratio Lower Upper
117 100
201 69.2 59.6 89.4





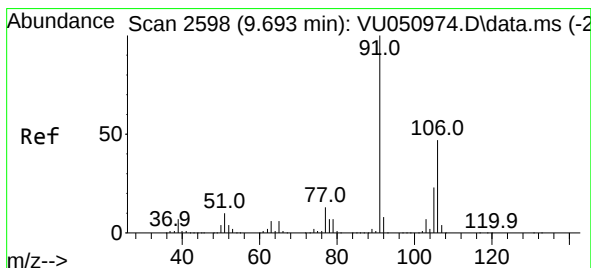
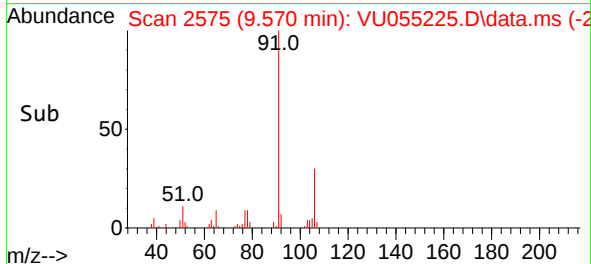
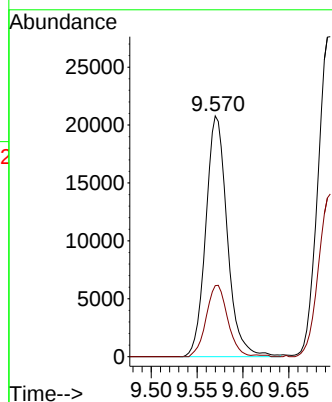
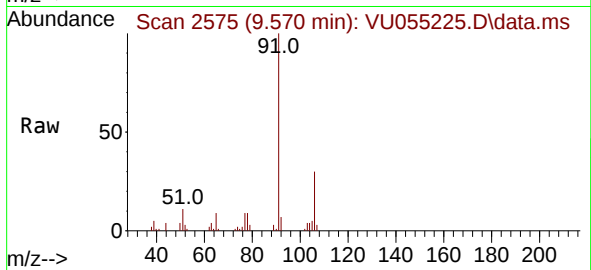
#63
Ethyl Benzene
Concen: 0.436 ug/l
RT: 9.570 min Scan# 2100
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 33910
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.2

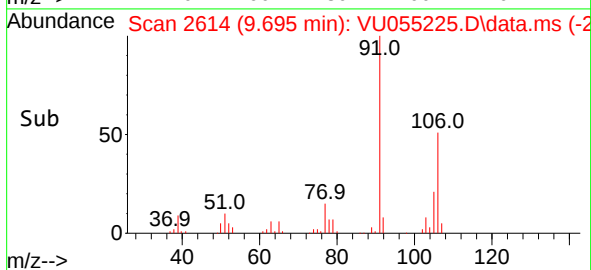
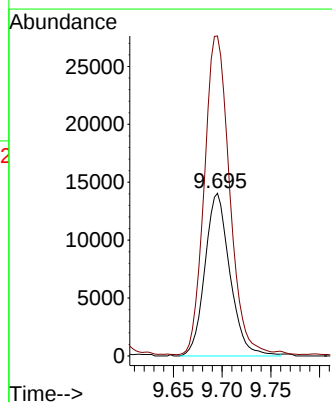
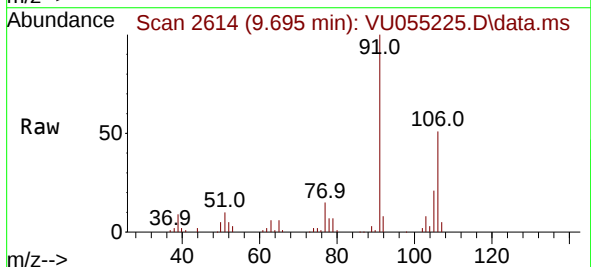
Manual Integrations
APPROVED

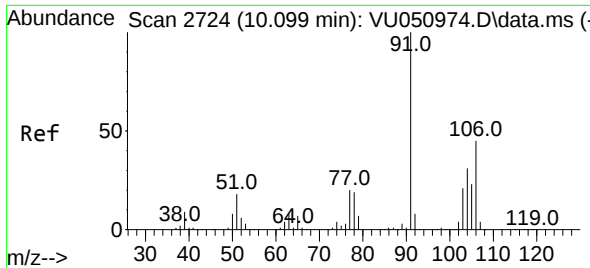
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
m/p-Xylenes
Concen: 0.843 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:106 Resp: 25087
Ion Ratio Lower Upper
106 100
91 197.7 167.3 250.9





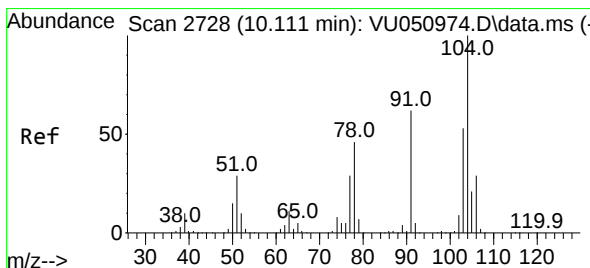
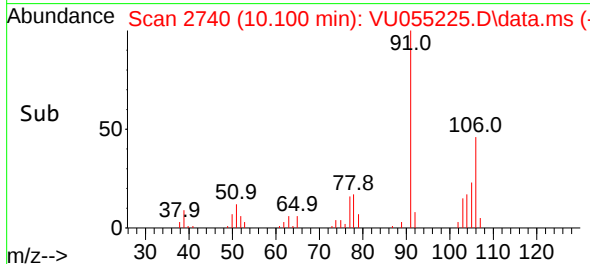
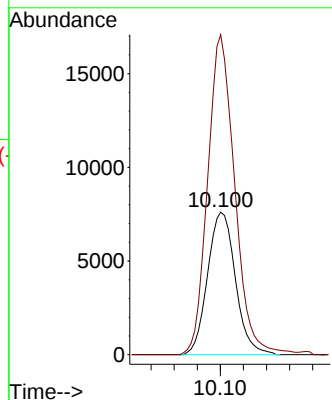
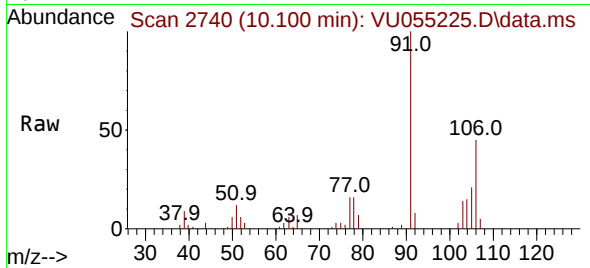
#65
o-Xylene
Concen: 0.437 ug/l
RT: 10.100 min Scan# 2724
Delta R.T. 0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion:106 Resp: 1272
Ion Ratio Lower Upper
106 100
91 218.6 109.3 327.9

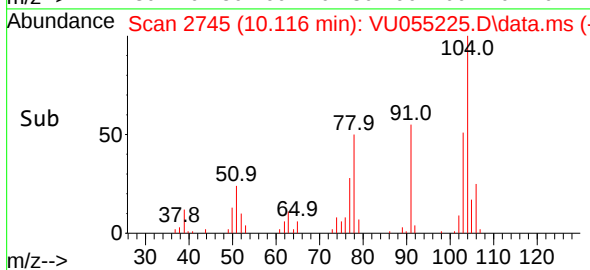
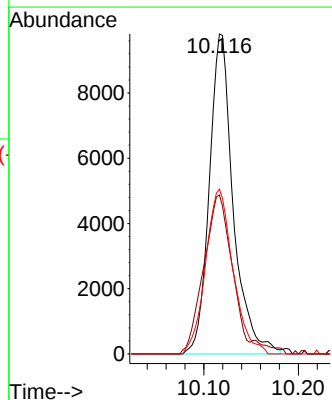
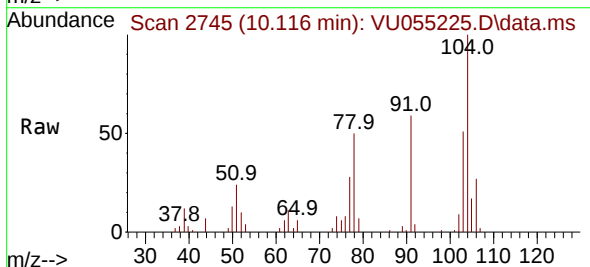
Manual Integrations
APPROVED

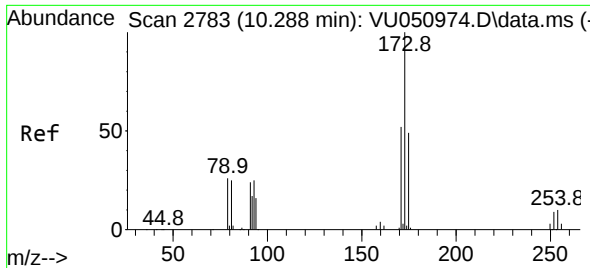
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Styrene
Concen: 0.386 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

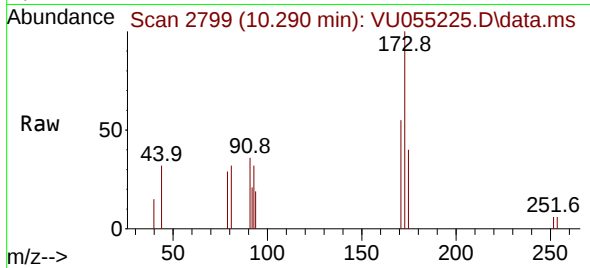
Tgt Ion:104 Resp: 17275
Ion Ratio Lower Upper
104 100
78 58.1 39.7 59.5
103 59.0 44.8 67.2





#67
Bromoform
Concen: 0.533 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

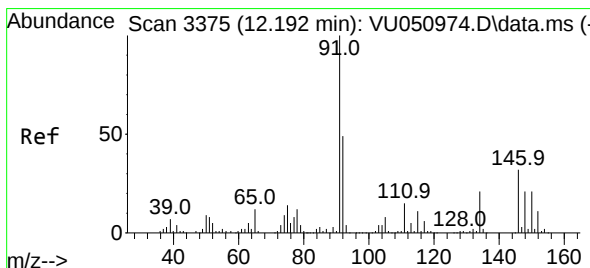
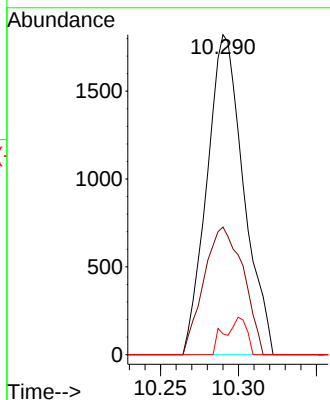
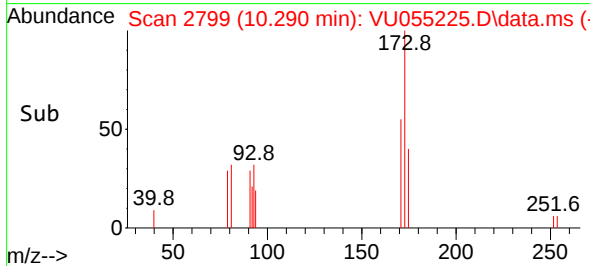
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5



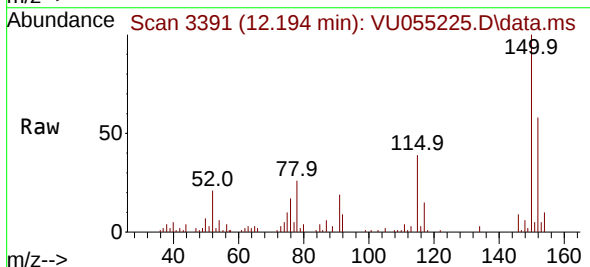
Tgt Ion:173 Resp: 2974
Ion Ratio Lower Upper
173 100
175 43.0 39.0 58.6
254 6.9 7.4 11.0

Manual Integrations
APPROVED

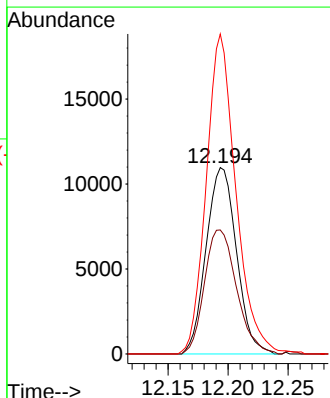
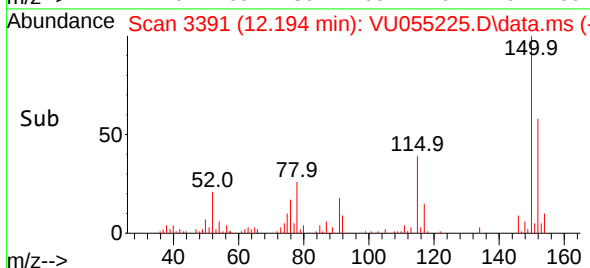
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

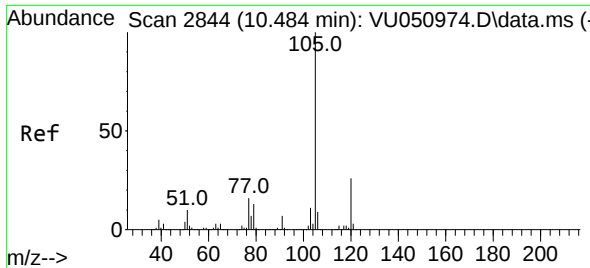


#68
1,2-Dichlorobenzene-d4
Concen: 0.915 ug/l
RT: 12.194 min Scan# 3391
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10



Tgt Ion:152 Resp: 19319
Ion Ratio Lower Upper
152 100
115 70.4 0.0 308.8
150 167.6 0.0 635.0





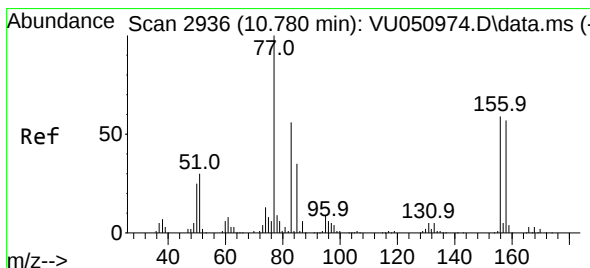
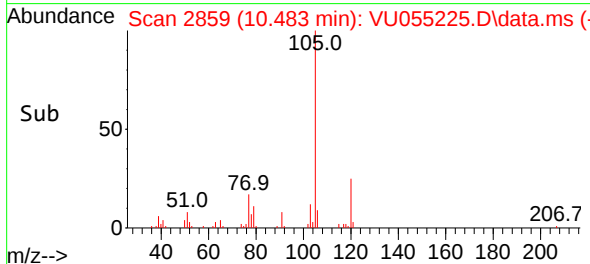
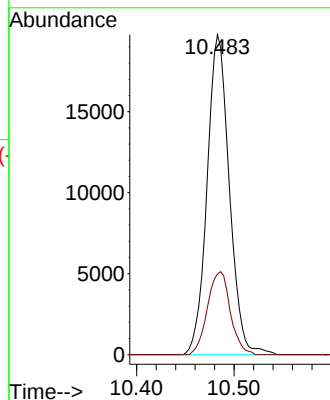
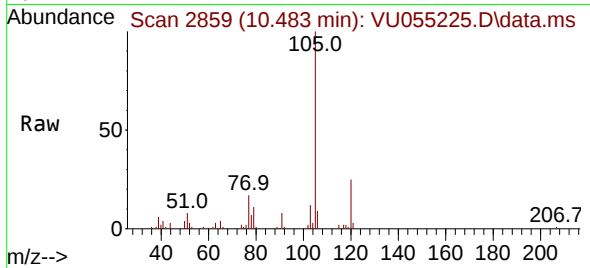
#69
Isopropylbenzene
Concen: 0.411 ug/l
RT: 10.483 min Scan# 2844
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 31299
Ion Ratio Lower Upper
105 100
120 26.7 12.8 38.4

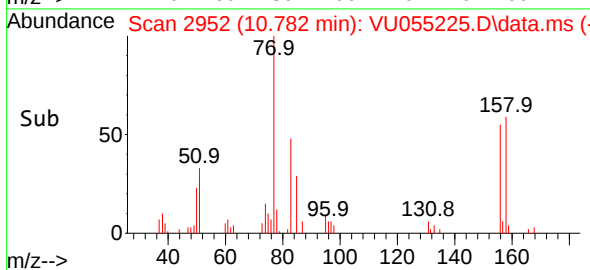
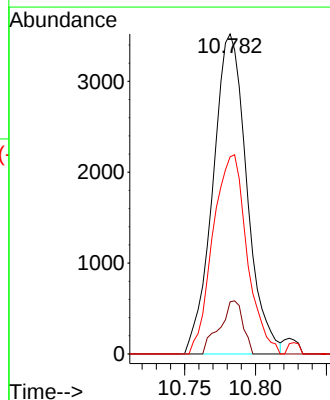
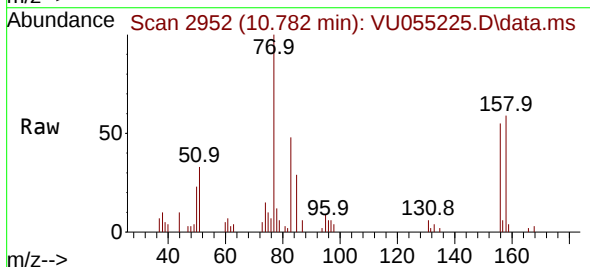
Manual Integrations
APPROVED

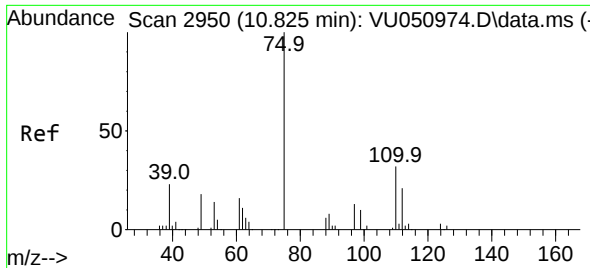
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.418 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

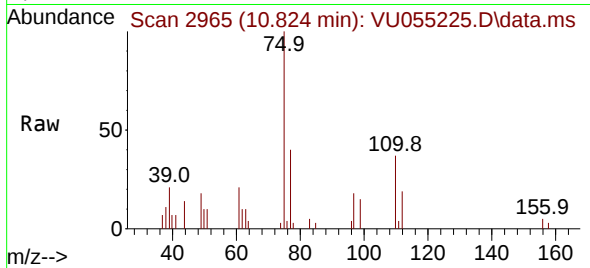
Tgt Ion: 83 Resp: 5857
Ion Ratio Lower Upper
83 100
131 11.4 7.2 10.8#
85 62.6 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.503 ug/l m
RT: 10.824 min Scan# 2950
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

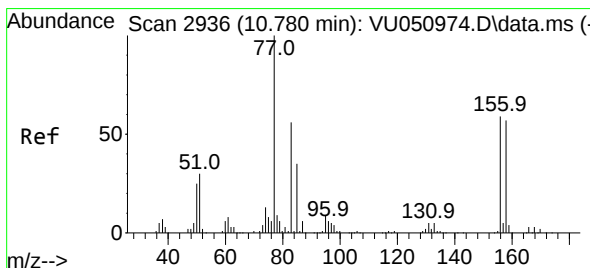
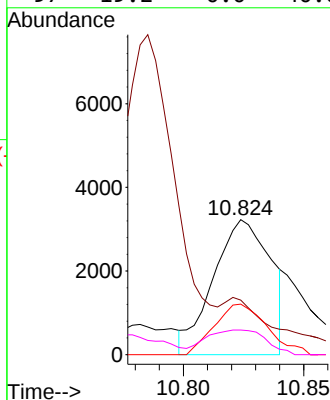
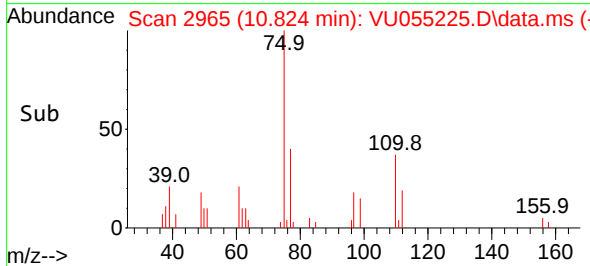
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



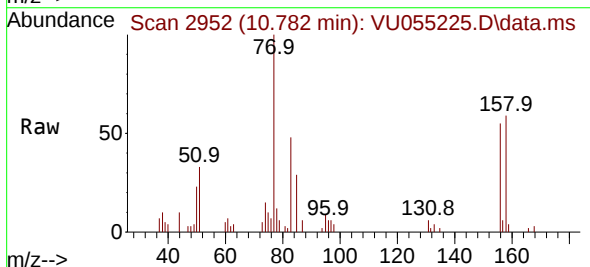
Tgt Ion: 75	Resp: 5318
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 116.4
110 34.7	0.0 74.6
97 19.2	0.0 40.0

Manual Integrations
APPROVED

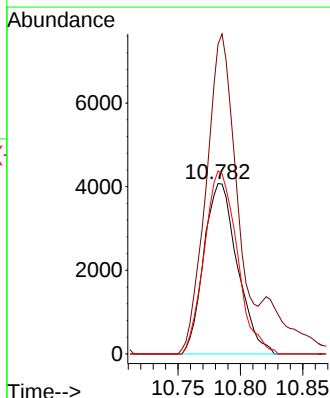
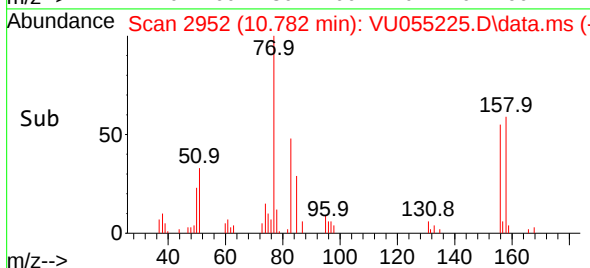
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

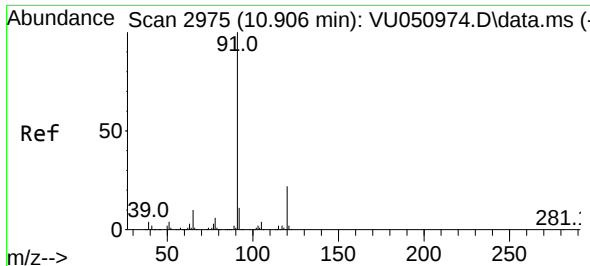


#72
Bromobenzene
Concen: 0.478 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10



Tgt Ion: 156	Resp: 7638
Ion Ratio	Lower Upper
156 100	
77 170.5	0.0 343.0
158 105.3	0.0 194.8





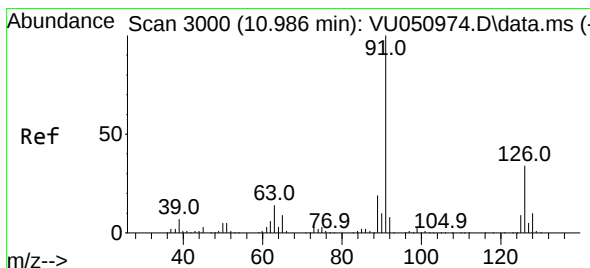
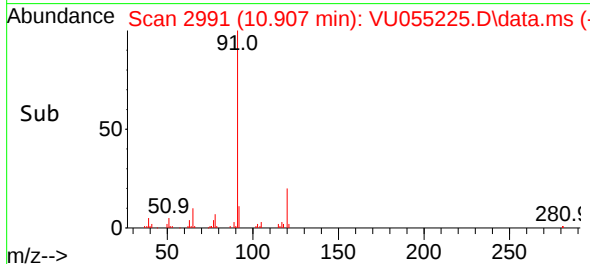
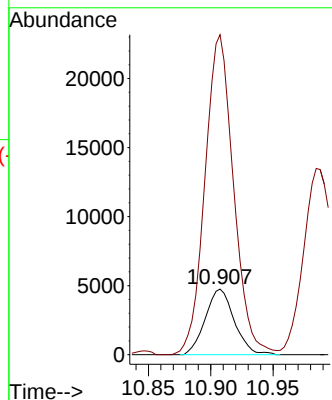
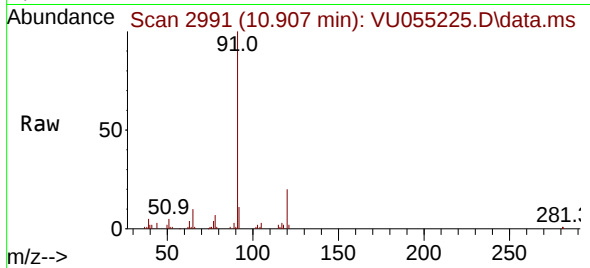
#73
n-propylbenzene
Concen: 0.381 ug/l
RT: 10.907 min Scan# 2975
Delta R.T. 0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 7684
Ion Ratio Lower Upper
120 100
91 482.2 369.8 554.6

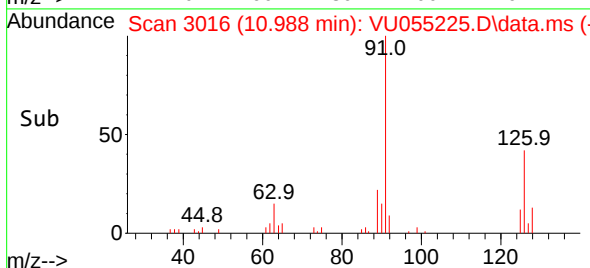
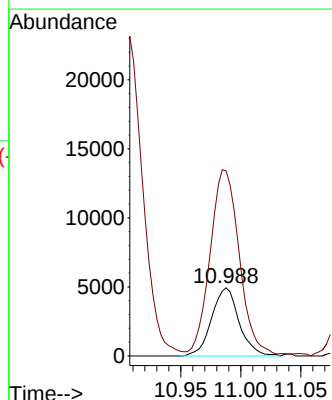
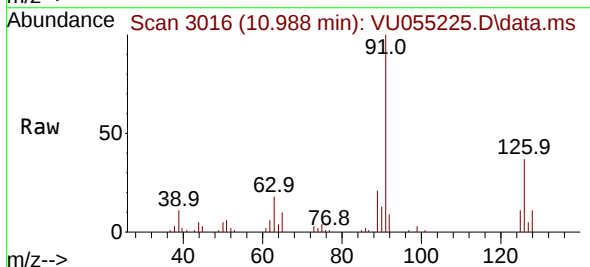
Manual Integrations
APPROVED

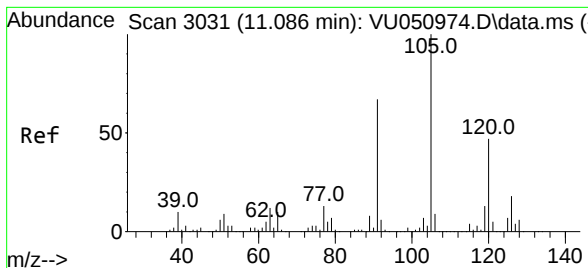
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
2-Chlorotoluene
Concen: 0.450 ug/l
RT: 10.988 min Scan# 3016
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:126 Resp: 7838
Ion Ratio Lower Upper
126 100
91 287.0 0.0 610.0





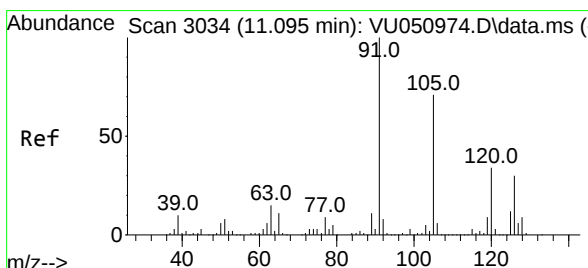
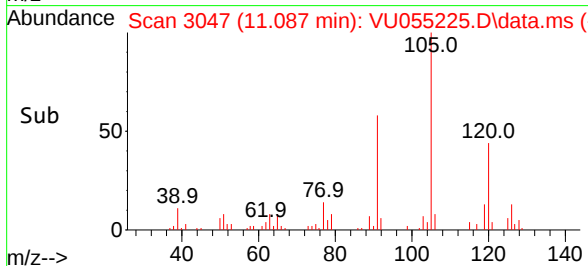
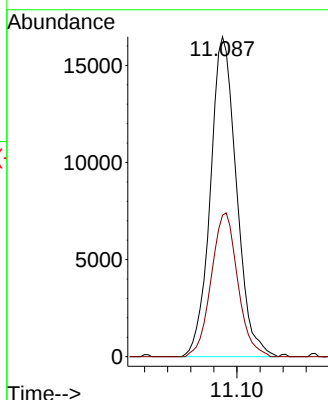
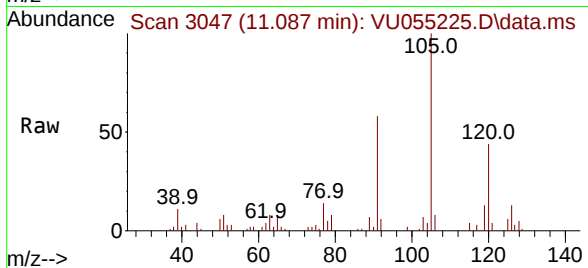
#75
1,3,5-Trimethylbenzene
Concen: 0.404 ug/l
RT: 11.087 min Scan# 3031
Delta R.T. 0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 2586
Ion Ratio Lower Upper
105 100
120 45.6 37.8 56.8

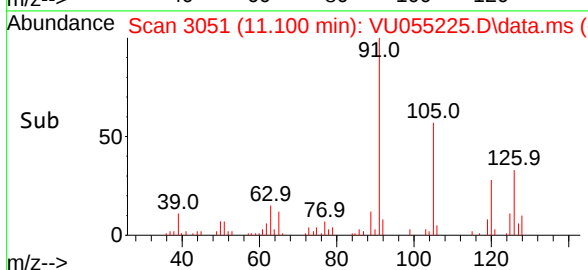
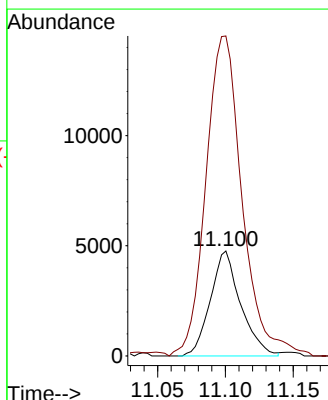
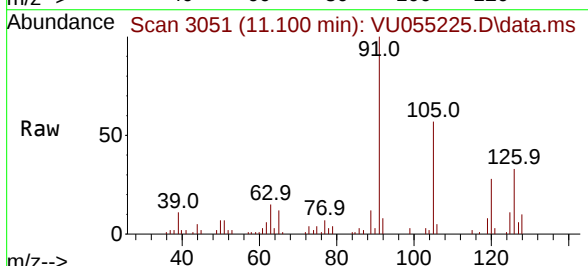
Manual Integrations
APPROVED

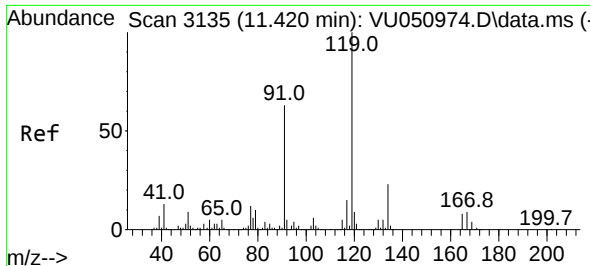
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#76
4-Chlorotoluene
Concen: 0.410 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:126 Resp: 7406
Ion Ratio Lower Upper
126 100
91 364.1 0.0 686.2





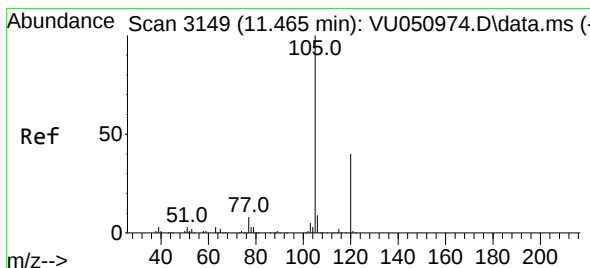
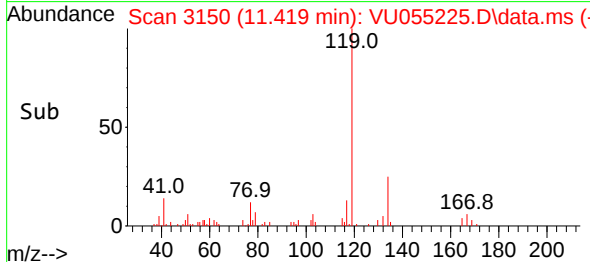
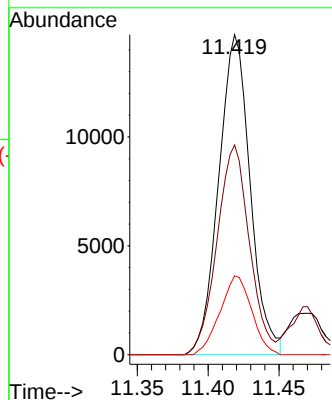
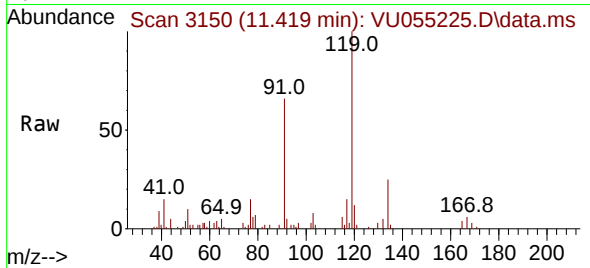
#77
tert-Butylbenzene
Concen: 0.383 ug/l
RT: 11.419 min Scan# 3115
Delta R.T. -0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 2274
Ion Ratio Lower Upper
119 100
91 67.5 30.8 92.4
134 24.8 18.0 27.0

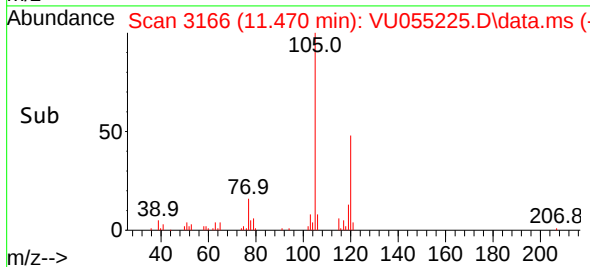
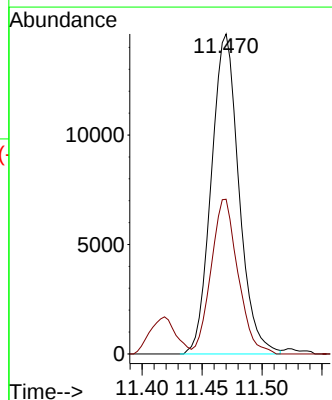
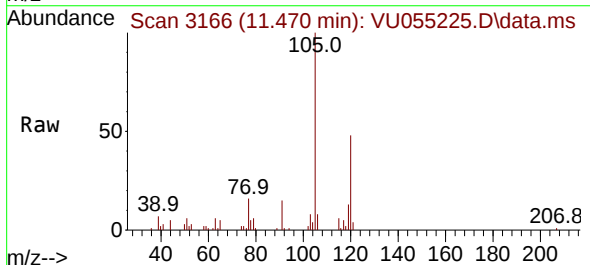
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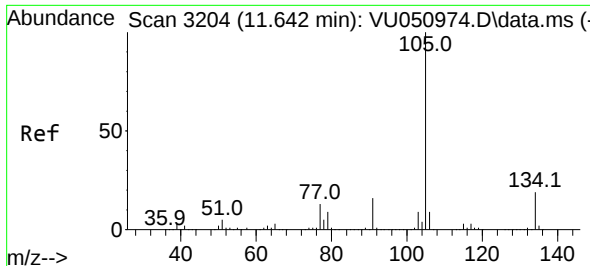
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.359 ug/l
RT: 11.470 min Scan# 3166
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Tgt Ion:105 Resp: 23419
Ion Ratio Lower Upper
105 100
120 47.0 21.9 65.8





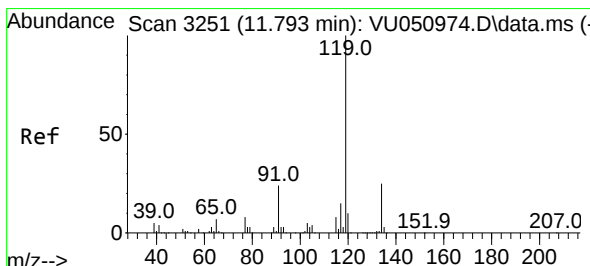
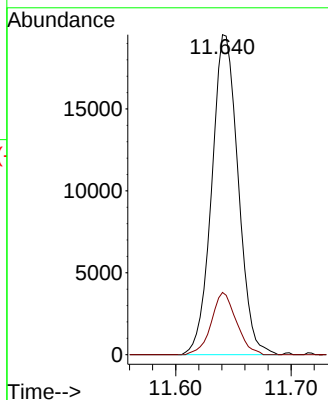
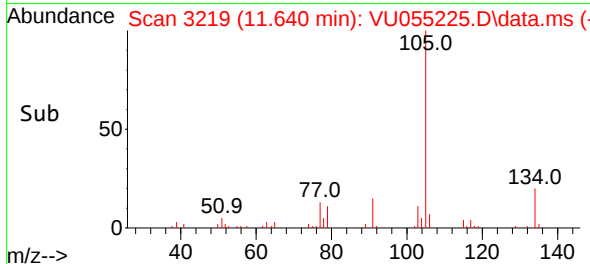
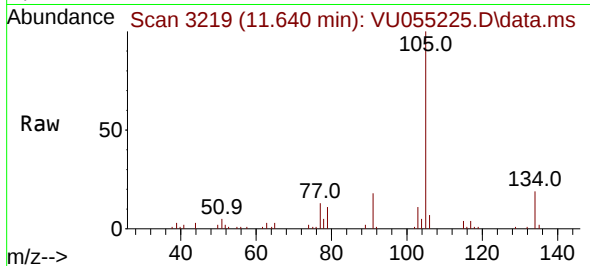
#79
 sec-Butylbenzene
 Concen: 0.363 ug/l
 RT: 11.640 min Scan# 3101
 Delta R.T. -0.002 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:105 Resp: 3101
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.9 22.3

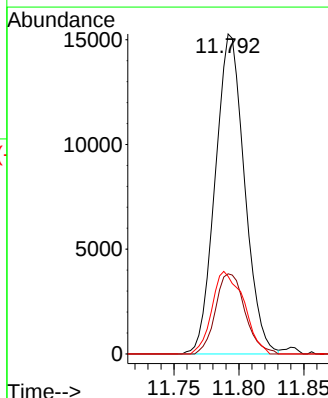
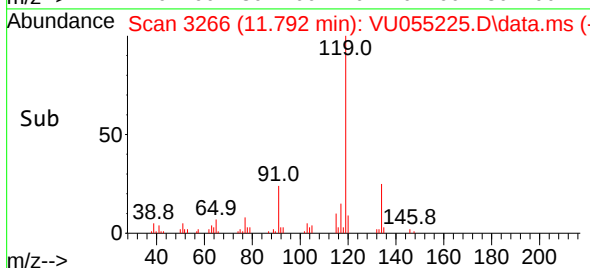
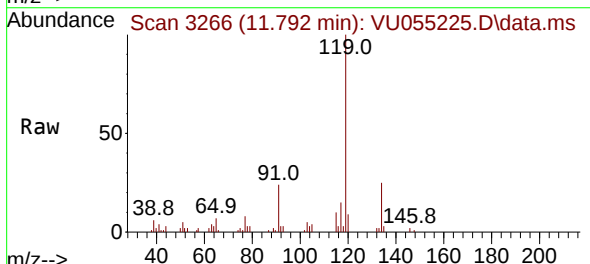
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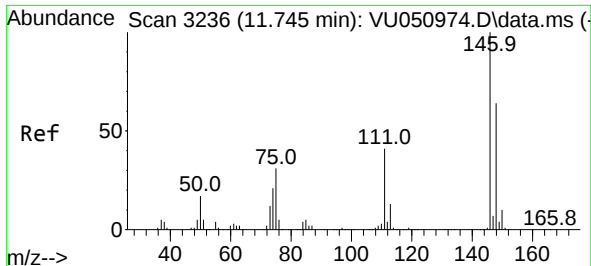
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#81
 p-Isopropyltoluene
 Concen: 0.356 ug/l
 RT: 11.792 min Scan# 3266
 Delta R.T. -0.001 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

Tgt Ion:119 Resp: 23934
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.4
 91 28.0 19.3 28.9





#82

1,3-Dichlorobenzene

Concen: 0.478 ug/l

RT: 11.747 min Scan# 31

Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

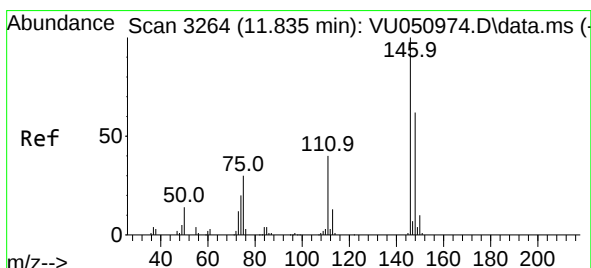
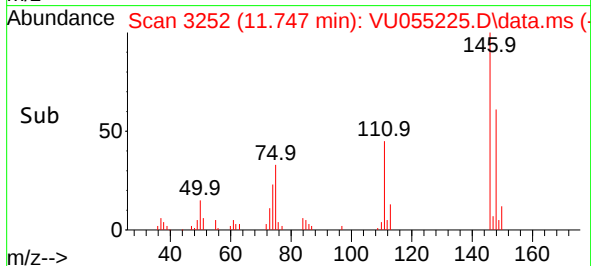
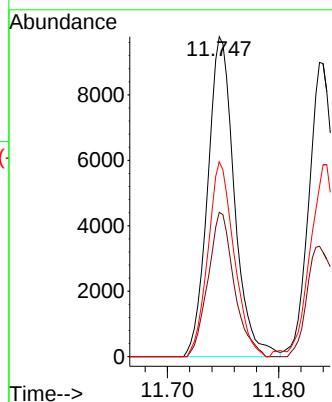
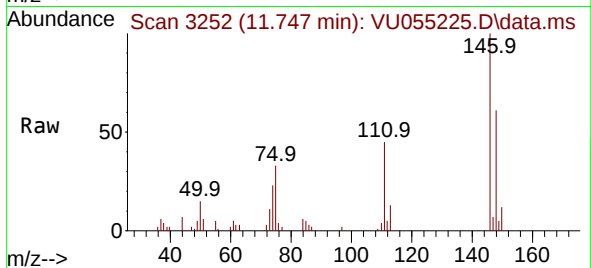
Tgt Ion:	146	Resp:	1627
Ion Ratio	Lower	Upper	
146	100		
111	44.3	32.6	49.0
148	59.5	51.0	76.4

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#83

1,4-Dichlorobenzene

Concen: 0.446 ug/l

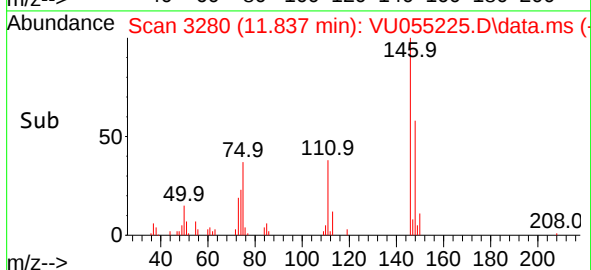
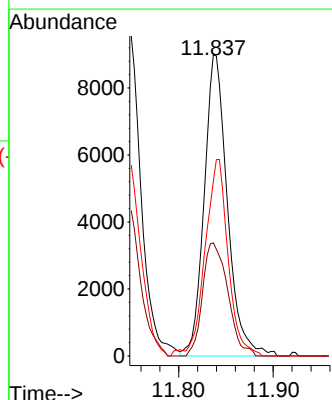
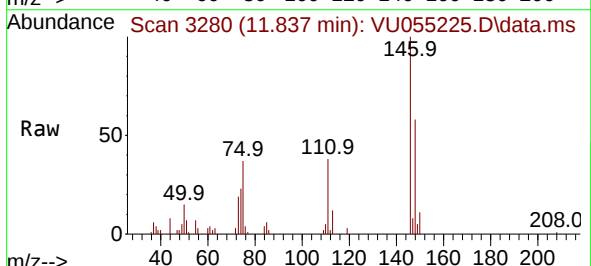
RT: 11.837 min Scan# 3280

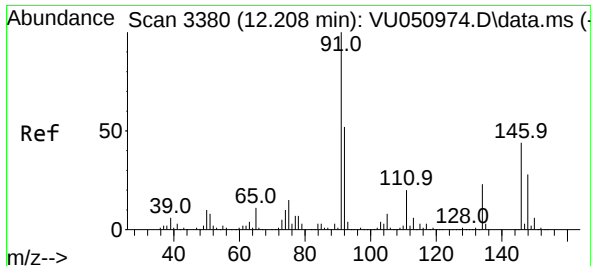
Delta R.T. 0.002 min

Lab File: VU055225.D

Acq: 11 Sep 2023 09:10

Tgt Ion:	146	Resp:	15362
Ion Ratio	Lower	Upper	
146	100		
111	40.6	31.6	47.4
148	64.6	50.3	75.5





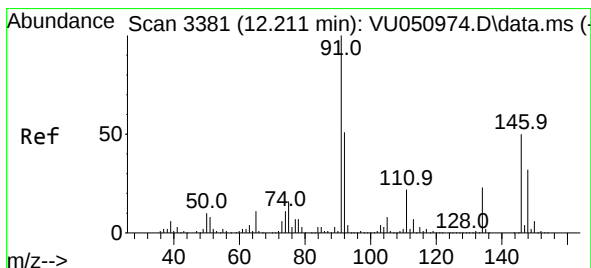
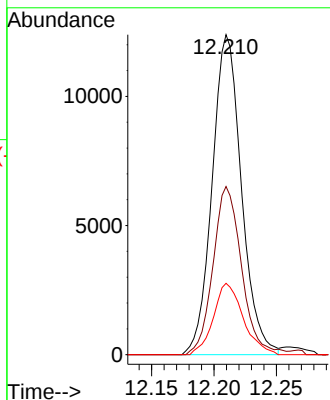
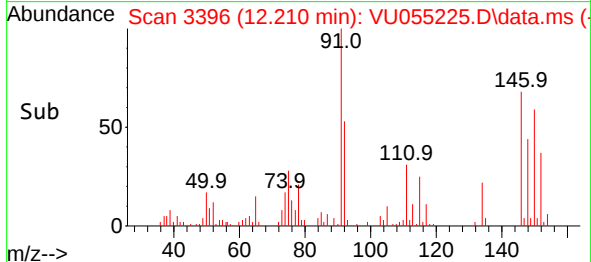
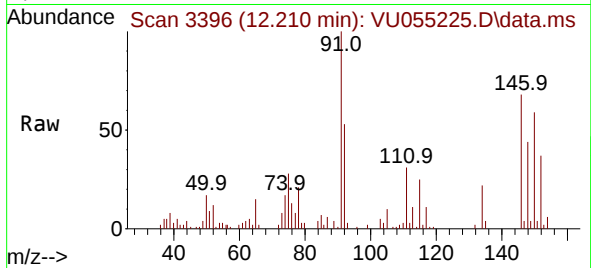
#84
n-Butylbenzene
Concen: 0.306 ug/l
RT: 12.210 min Scan# 3396
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2027
Ion Ratio Lower Upper
91 100
92 51.3 40.8 61.2
134 22.7 18.4 27.6

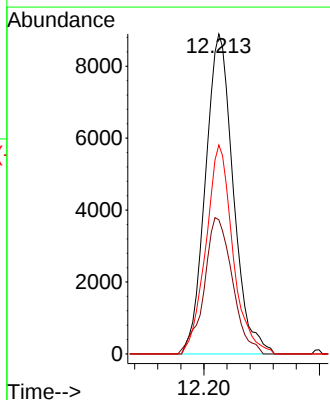
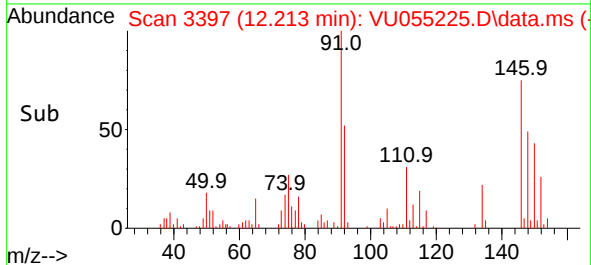
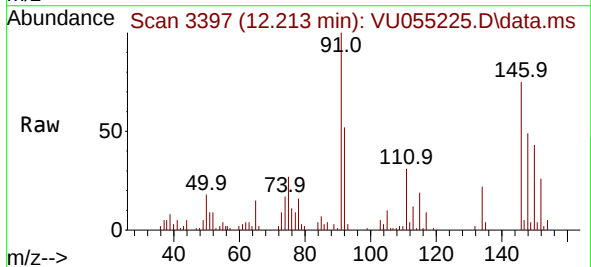
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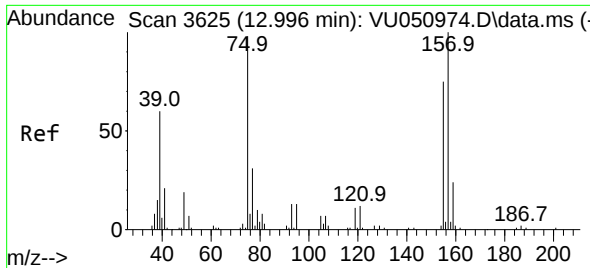
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#85
1,2-Dichlorobenzene
Concen: 0.460 ug/l
RT: 12.213 min Scan# 3397
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

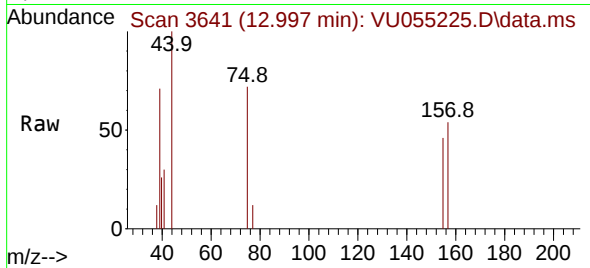
Tgt Ion:146 Resp: 14850
Ion Ratio Lower Upper
146 100
111 43.3 21.6 64.6
148 63.4 32.1 96.5





#86
1,2-Dibromo-3-Chloropropane
Concen: 0.460 ug/l
RT: 12.997 min Scan# 30
Delta R.T. 0.001 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

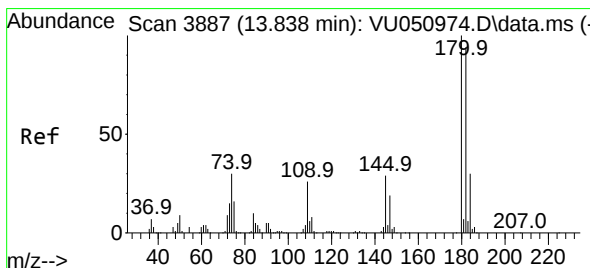
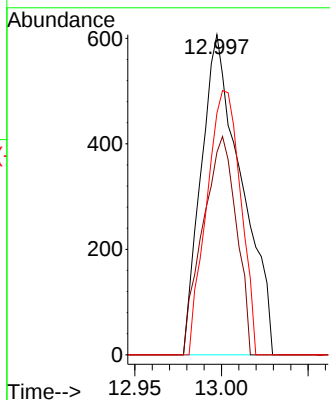
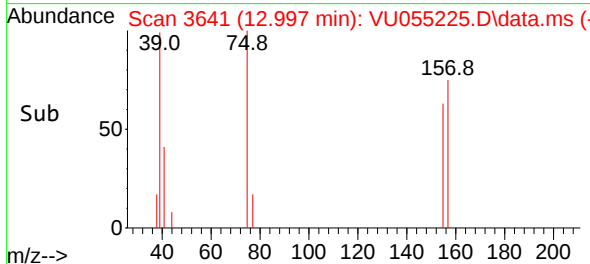
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5



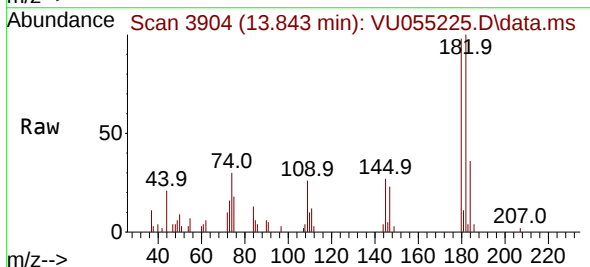
Tgt Ion: 75 Resp: 978
Ion Ratio Lower Upper
75 100
155 57.0 61.8 92.8
157 69.7 80.2 120.4

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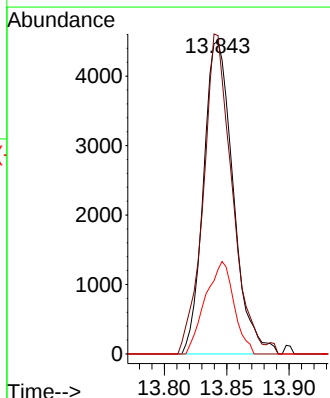
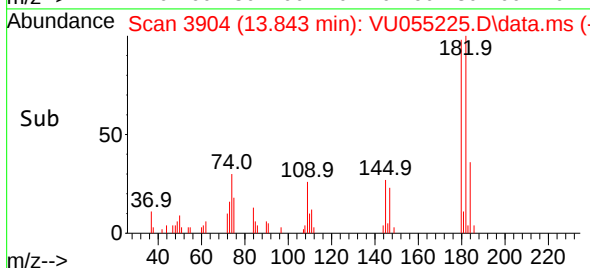
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

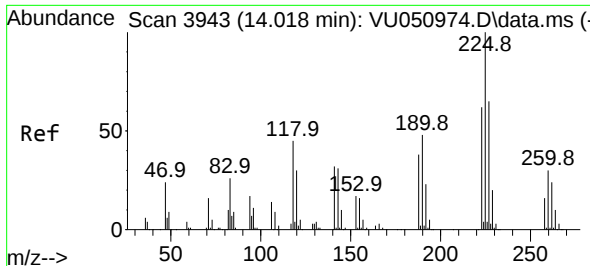


#87
1,2,4-Trichlorobenzene
Concen: 0.397 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.005 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10



Tgt Ion:180 Resp: 7463
Ion Ratio Lower Upper
180 100
182 99.4 75.8 113.6
145 28.4 23.9 35.9





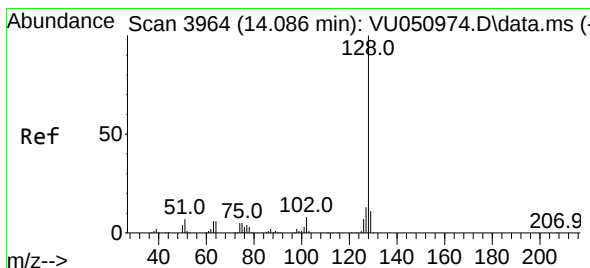
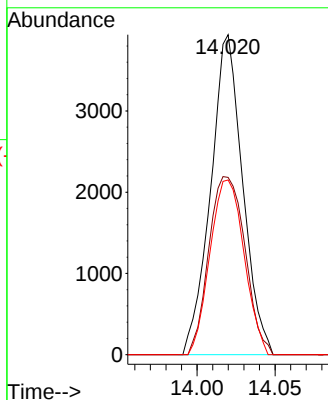
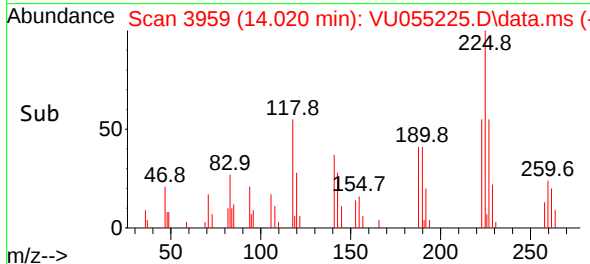
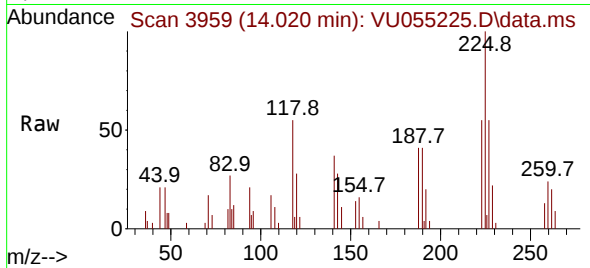
#88
Hexachlorobutadiene
Concen: 0.625 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:225 Resp: 562
Ion Ratio Lower Upper
225 100
223 62.9 50.2 75.4
227 58.2 51.5 77.3

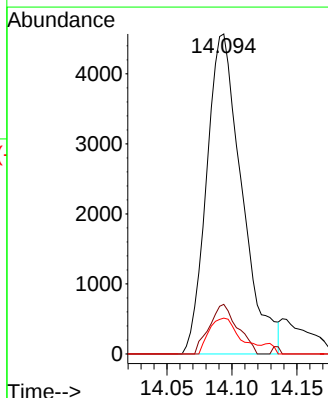
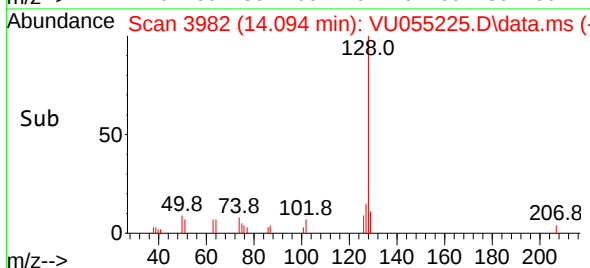
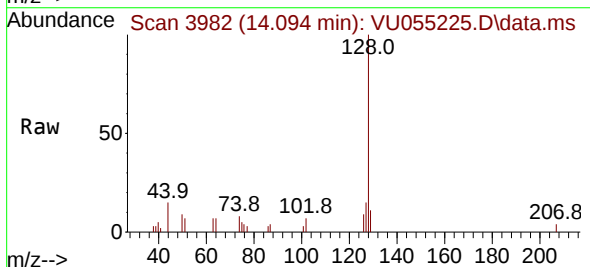
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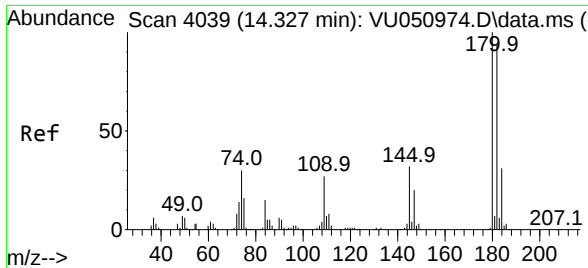
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#89
Naphthalene
Concen: 0.227 ug/l
RT: 14.094 min Scan# 3982
Delta R.T. 0.008 min
Lab File: VU055225.D
Acq: 11 Sep 2023 09:10

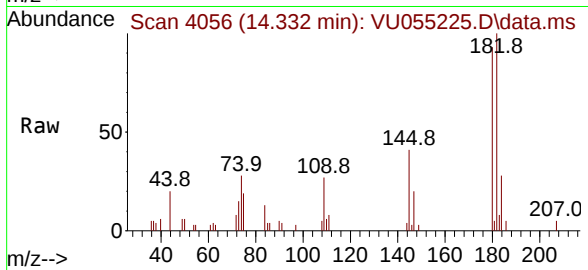
Tgt Ion:128 Resp: 8598
Ion Ratio Lower Upper
128 100
127 12.5 10.9 16.3
129 9.9 8.6 12.8





#90
 1,2,3-Trichlorobenzene
 Concen: 0.406 ug/l
 RT: 14.332 min Scan# 4056
 Delta R.T. 0.005 min
 Lab File: VU055225.D
 Acq: 11 Sep 2023 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	6579
Ion Ratio	Lower	Upper	
180	100		
182	101.9	75.7	113.5
145	38.9	26.1	39.1

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

