

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051865.D
 Acq On : 15 Nov 2022 17:35
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:23:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	355618	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	343390	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	123775	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	85181	48.791	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.580%		
7) Chloroethane-d5	1.900	69	86512	49.458	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.920%		
11) 1,1-Dichloroethene-d2	2.562	63	104613	33.415	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.840%		
21) 2-Butanone-d5	4.617	46	225607	113.643	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.640%		
24) Chloroform-d	5.060	84	200840	45.891	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.780%		
26) 1,2-Dichloroethane-d4	5.700	65	125119	46.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.400%		
32) Benzene-d6	5.726	84	355207	49.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.220%		
36) 1,2-Dichloropropane-d6	6.687	67	135322	50.776	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.560%		
41) Toluene-d8	7.896	98	262906	44.736	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.480%		
43) trans-1,3-Dichloroprop...	8.176	79	47107	44.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.760%		
47) 2-Hexanone-d5	8.629	63	141752	104.655	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.660%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	254584	49.081	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	115914	53.215	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5345	2.448	ug/L	99
3) Chloromethane	1.524	50	9912	3.419	ug/L	99
5) Vinyl chloride	1.604	62	7926	2.635	ug/L #	1
6) Bromomethane	1.835	94	3276	2.514	ug/L	96
8) Chloroethane	1.922	64	4925	2.519	ug/L	95
9) Trichlorofluoromethane	2.131	101	8877	2.465	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6709	2.957	ug/L	92
12) 1,1-Dichloroethene	2.575	96	5814	2.743	ug/L #	1
13) Acetone	2.623	43	12439	5.857	ug/L	100
14) Carbon disulfide	2.790	76	14037	2.391	ug/L	98
15) Methyl Acetate	2.948	43	7524	2.598	ug/L	94
16) Methylene chloride	3.044	84	7455	2.204	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	4896	2.144	ug/L	94
18) Methyl tert-butyl Ether	3.360	73	15617	2.209	ug/L #	89
19) 1,1-Dichloroethane	3.868	63	10486	2.256	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	6074	2.279	ug/L	93
22) 2-Butanone	4.713	43	12022m	5.012	ug/L	
23) Bromochloromethane	4.974	128	3243	2.205	ug/L	92
27) 1,2-Dichloroethane	5.797	62	8700	2.427	ug/L	99

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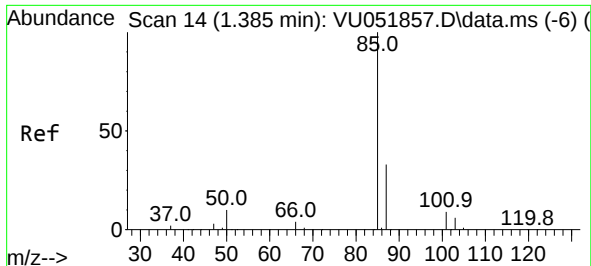
Manual Integrations
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Quant Time: Nov 16 01:23:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.382	56	6788	2.317	ug/L	92
30) 1,1,1-Trichloroethane	5.311	97	8032	2.314	ug/L	97
31) Carbon tetrachloride	5.523	117	7048	2.428	ug/L	91
33) Benzene	5.774	78	24720	2.503	ug/L	100
35) Methylcyclohexane	6.761	83	7733	2.437	ug/L	94
37) 1,2-Dichloropropane	6.787	63	6645	2.376	ug/L #	93
38) Bromodichloromethane	7.105	83	8124	2.322	ug/L #	93
39) cis-1,3-Dichloropropene	7.604	75	7909	2.162	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	15861	4.306	ug/L	99
42) Toluene	7.970	91	22418	2.207	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	7587	2.164	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	6613	2.327	ug/L	97
46) Tetrachloroethene	8.552	164	4937	2.642	ug/L	97
48) 2-Hexanone	8.684	43	19954	6.308	ug/L #	85
49) Dibromochloromethane	8.809	129	6357	2.169	ug/L	93
50) 1,2-Dibromoethane	8.922	107	6179	2.160	ug/L	97
51) Chlorobenzene	9.443	112	15377	2.215	ug/L	99
52) Ethylbenzene	9.568	91	19226	1.849	ug/L	97
53) m,p-Xylene	9.694	106	7624	1.894	ug/L	83
54) o-Xylene	10.099	106	6766	1.652	ug/L	96
55) Styrene	10.115	104	10003	1.415	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	12941	2.409	ug/L	96
59) Bromoform	10.288	173	4520	2.693	ug/L	95
60) 1,2,3-Trichloropropane	10.822	75	9068	3.063	ug/L	96
61) Isopropylbenzene	10.485	105	16374	2.263	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	11068	1.878	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	10141	1.761	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	8479	2.313	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	8168	2.200	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	9702	2.488	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.993	75	2167	2.859	ug/L	86
69) 1,3,5-Trichlorobenzene	13.221	180	5153	2.118	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	3727	1.933	ug/L	96
71) Naphthalene	14.089	128	11928m	1.881	ug/L	

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



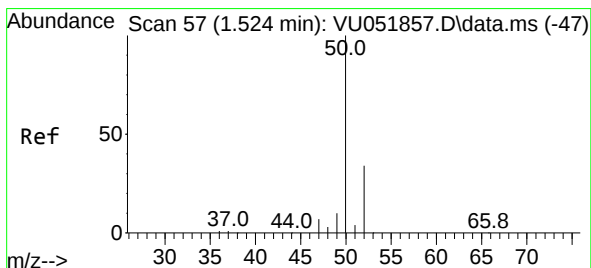
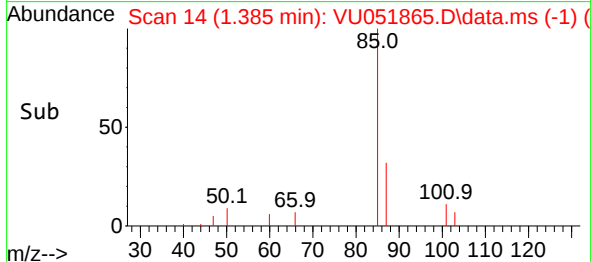
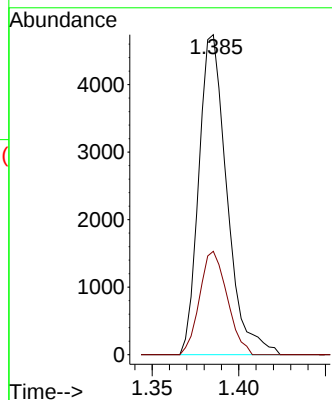
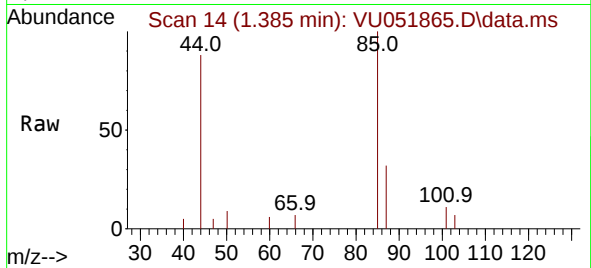
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Dichlorodifluoromethane
Concen: 2.448 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 85 Resp: 534
Ion Ratio Lower Upper
85 100
87 31.7 26.0 39.0

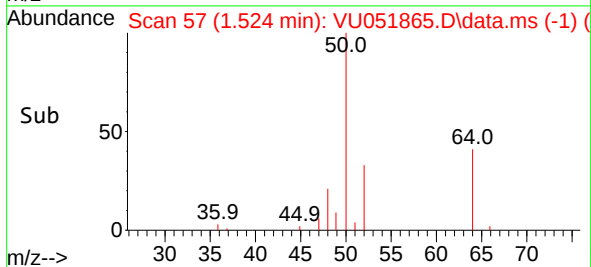
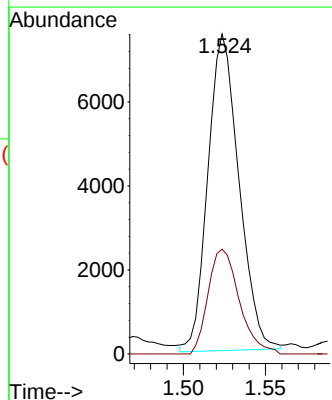
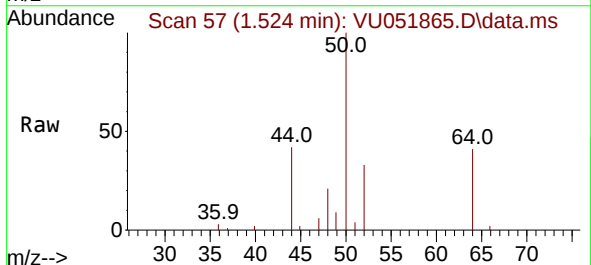
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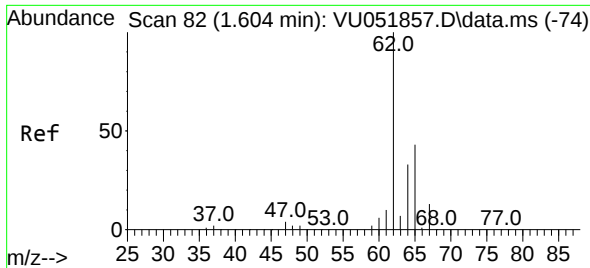
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#3
Chloromethane
Concen: 3.419 ug/L
RT: 1.524 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

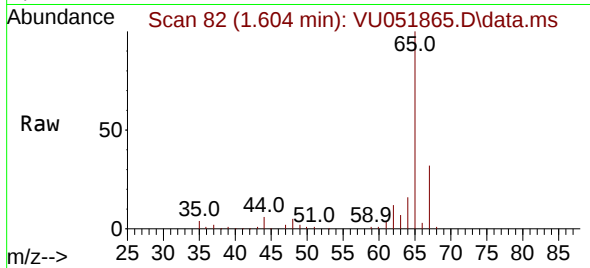
Tgt Ion: 50 Resp: 9912
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.6





#5
 Vinyl chloride
 Concen: 2.635 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU051865.D
 Acq: 15 Nov 2022 17:35

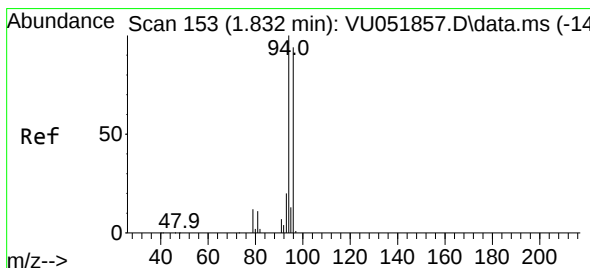
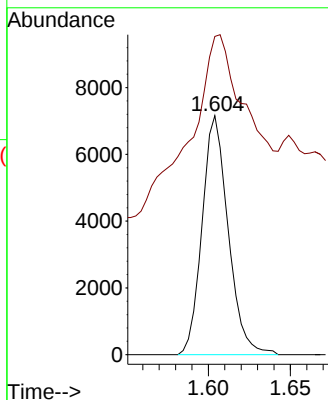
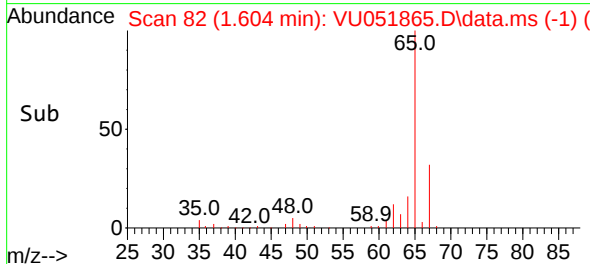
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01



Tgt Ion: 62 Resp: 7920
 Ion Ratio Lower Upper
 62 100
 64 133.1 24.3 45.1

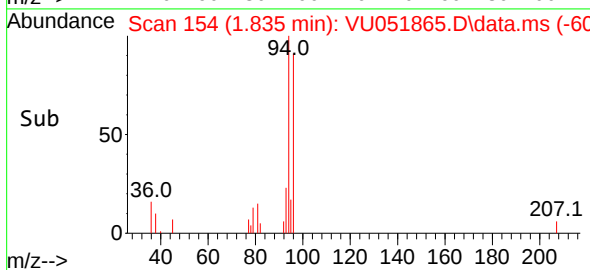
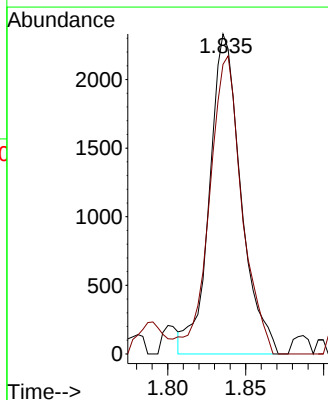
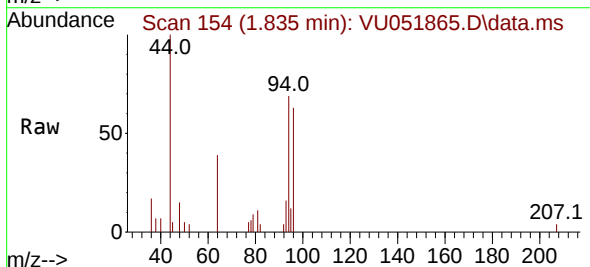
Manual Integrations
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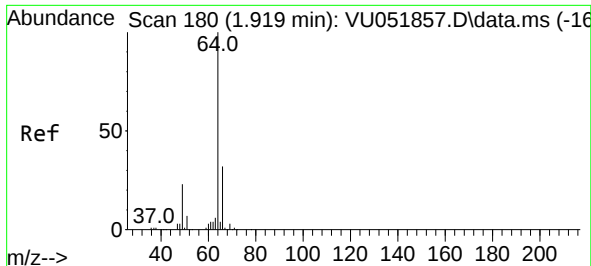
Reviewed By :John Carlone 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022



#6
 Bromomethane
 Concen: 2.514 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. 0.003 min
 Lab File: VU051865.D
 Acq: 15 Nov 2022 17:35

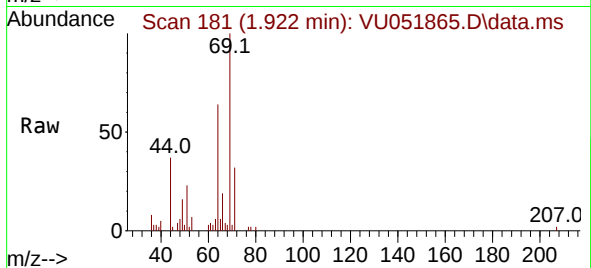
Tgt Ion: 94 Resp: 3276
 Ion Ratio Lower Upper
 94 100
 96 90.5 66.1 122.7





#8
Chloroethane
Concen: 2.519 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

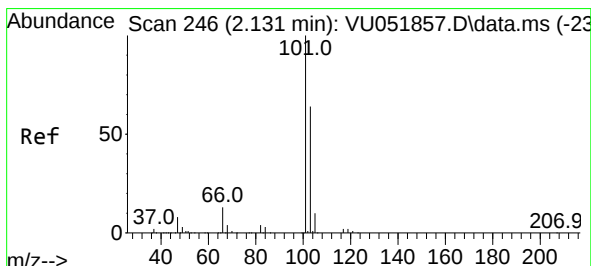
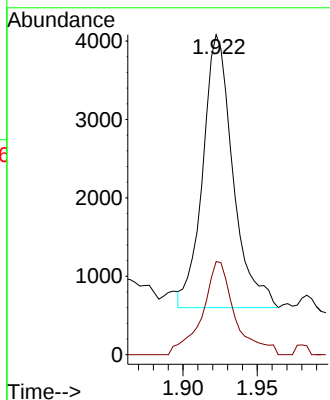
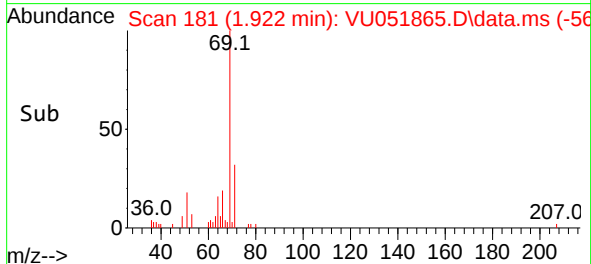
Instrument :
MSVOA_U
ClientSampleId :
MDL01



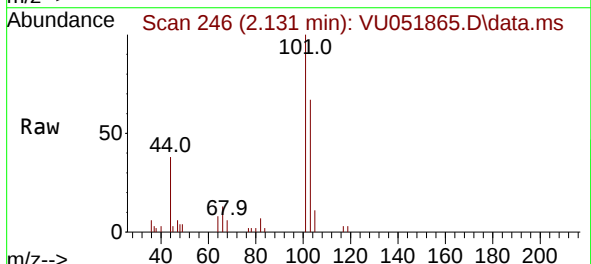
Tgt Ion: 64 Resp: 4925
Ion Ratio Lower Upper
64 100
66 29.1 22.4 41.6

Manual Integrations
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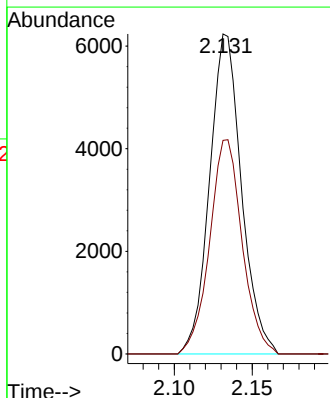
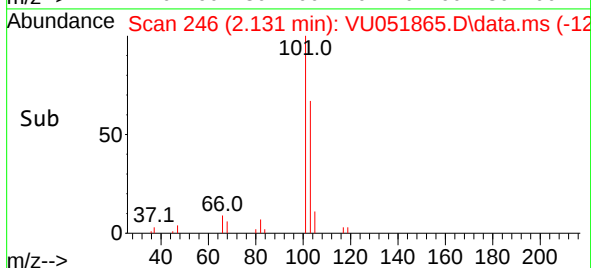
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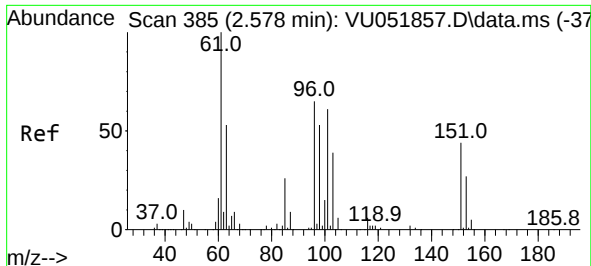


#9
Trichlorofluoromethane
Concen: 2.465 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35



Tgt Ion:101 Resp: 8877
Ion Ratio Lower Upper
101 100
103 68.2 51.4 77.2





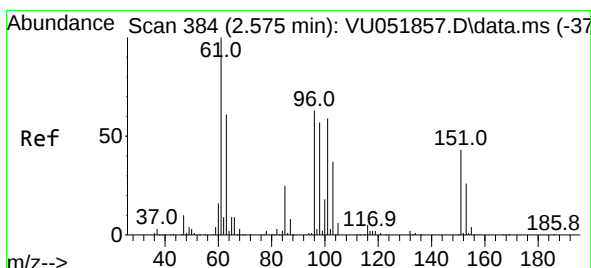
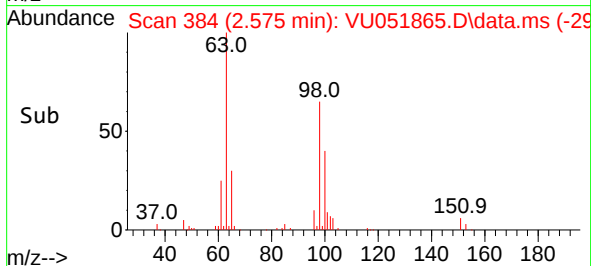
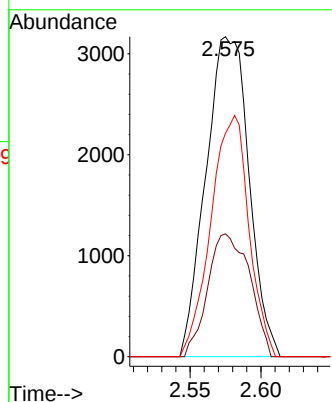
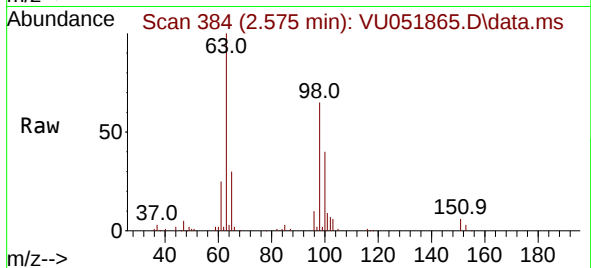
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.957 ug/L
RT: 2.575 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 101 Resp: 6709
Ion Ratio Lower Upper
101 100
85 37.4 34.2 51.2
151 66.6 58.3 87.5

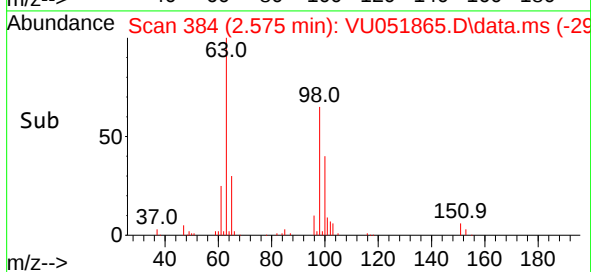
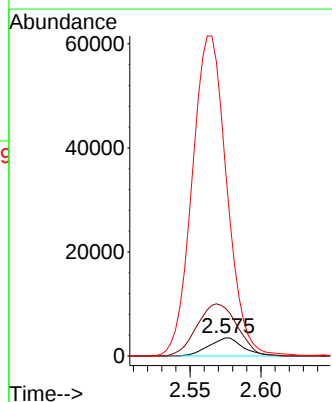
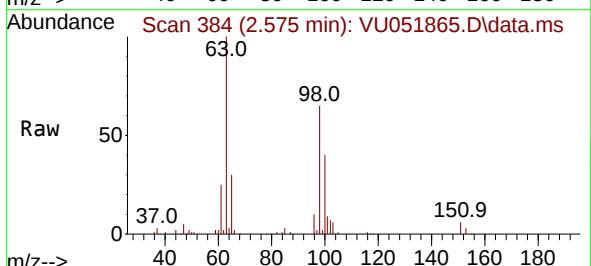
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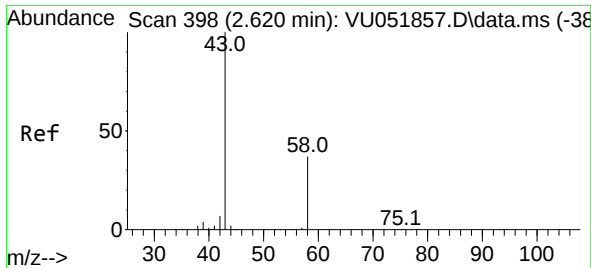
Reviewed By : John Carlone 11/16/2022
Supervised By : Mahesh Dadoda 11/16/2022



#12
1,1-Dichloroethene
Concen: 2.743 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion: 96 Resp: 5814
Ion Ratio Lower Upper
96 100
61 262.6 110.7 205.5#
63 1032.2 68.6 127.4#





#13

Acetone

Concen: 5.857 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 12439

Ion Ratio Lower Upper

43 100

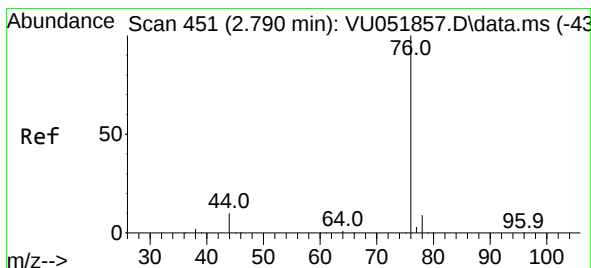
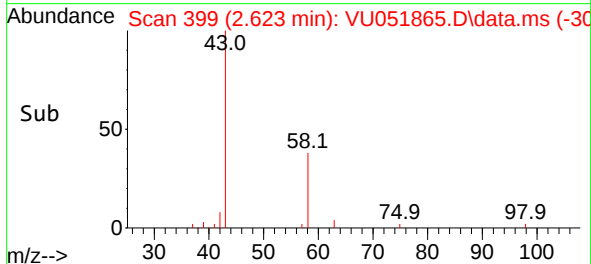
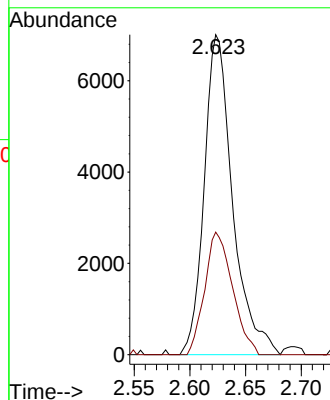
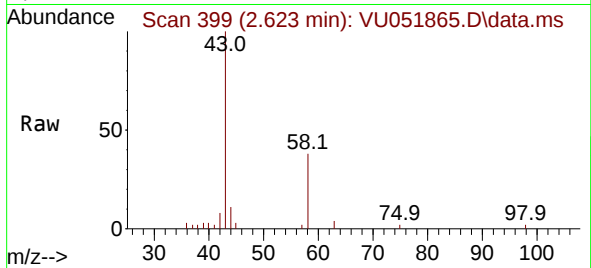
58 37.4 0.0 75.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#14

Carbon disulfide

Concen: 2.391 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051865.D

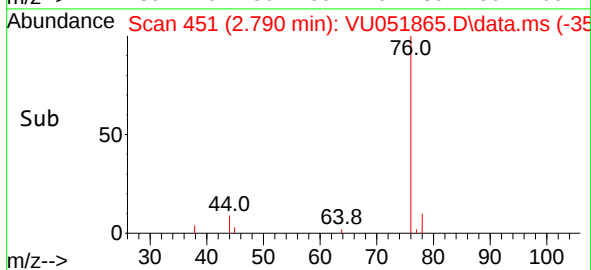
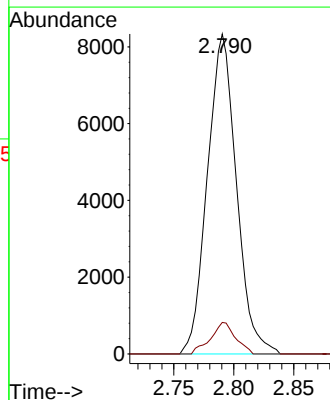
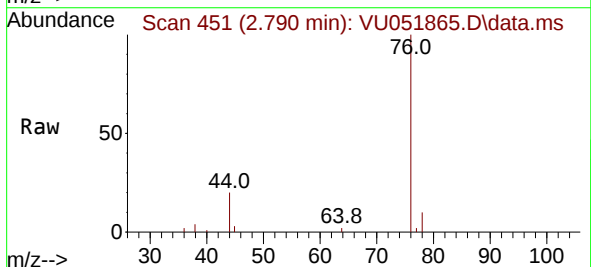
Acq: 15 Nov 2022 17:35

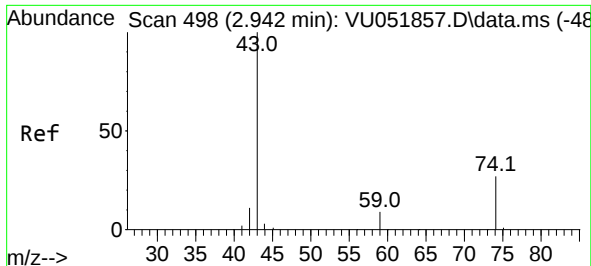
Tgt Ion: 76 Resp: 14037

Ion Ratio Lower Upper

76 100

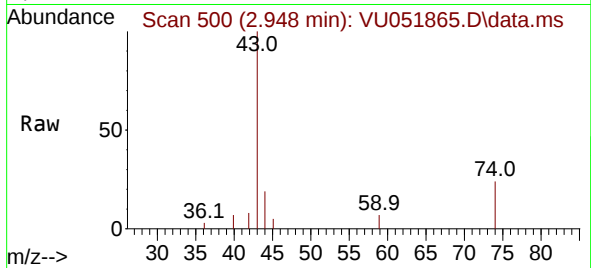
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#15
Methyl Acetate
Concen: 2.598 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

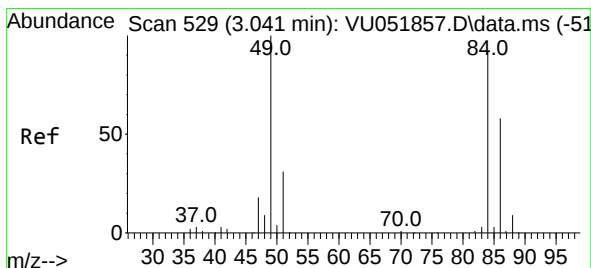
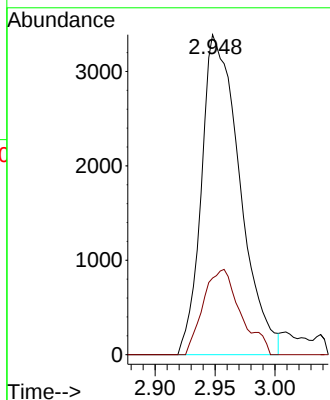
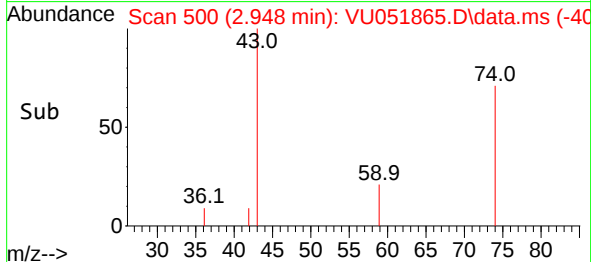
Instrument :
MSVOA_U
ClientSampleId :
MDL01



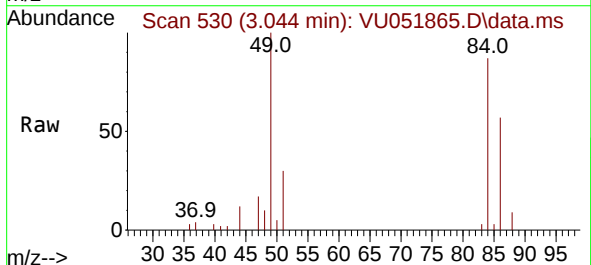
Tgt Ion: 43 Resp: 7524
Ion Ratio Lower Upper
43 100
74 24.0 21.8 32.8

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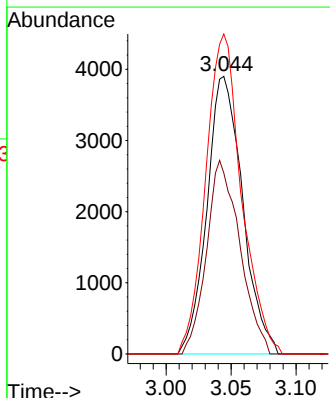
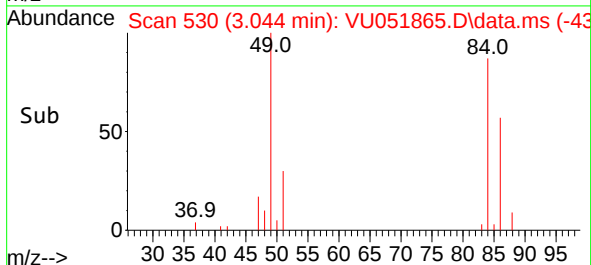
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

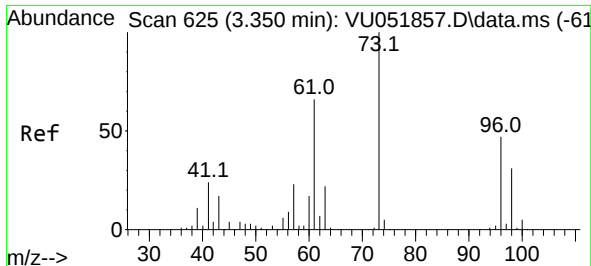


#16
Methylene chloride
Concen: 2.204 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35



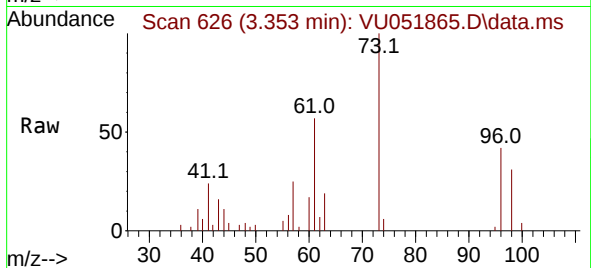
Tgt Ion: 84 Resp: 7455
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 115.2 76.5 142.1





#17
trans-1,2-Dichloroethene
Concen: 2.144 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

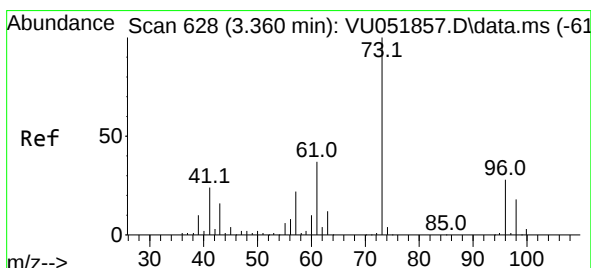
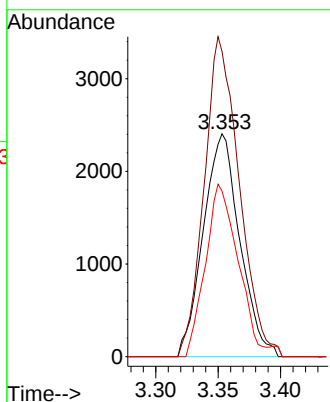
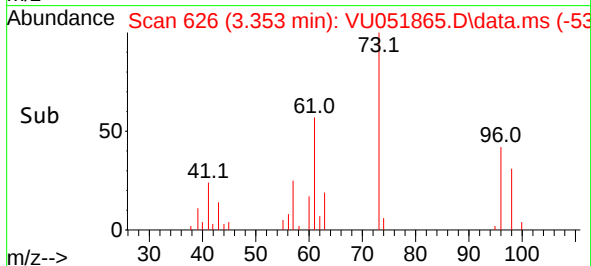
Instrument :
MSVOA_U
ClientSampleId :
MDL01



Tgt Ion: 96 Resp: 4890
Ion Ratio Lower Upper
96 100
61 136.9 98.3 182.7
98 74.3 45.5 84.5

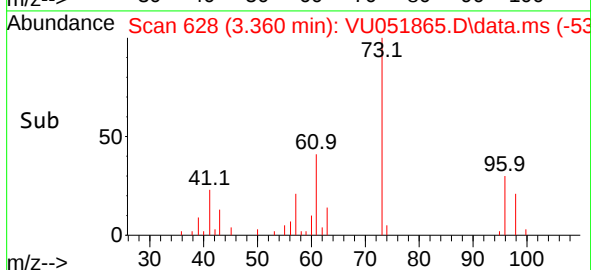
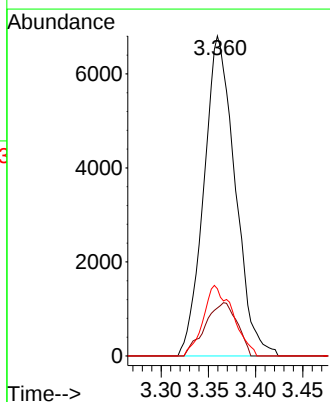
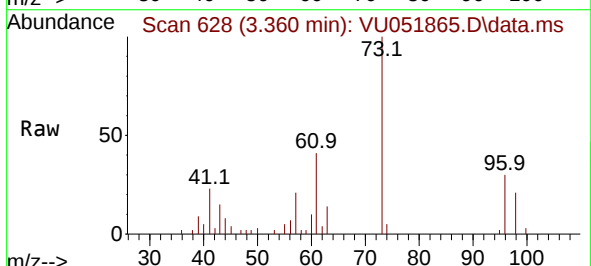
Manual Integrations
APPROVED

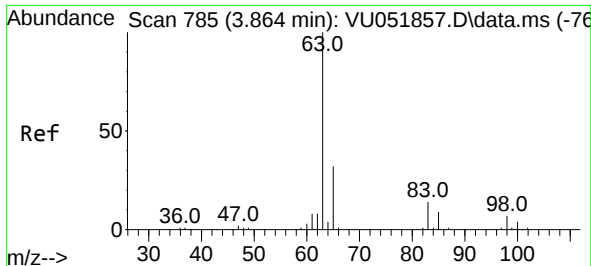
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#18
Methyl tert-butyl Ether
Concen: 2.209 ug/L
RT: 3.360 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion: 73 Resp: 15617
Ion Ratio Lower Upper
73 100
43 17.1 13.4 20.0
57 13.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.256 ug/L

RT: 3.868 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

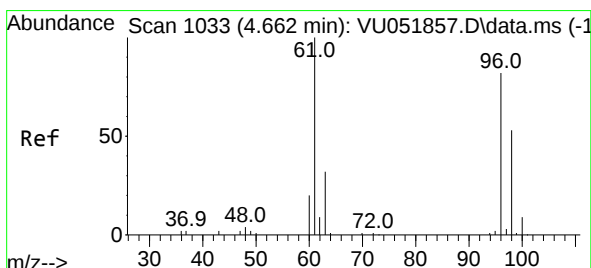
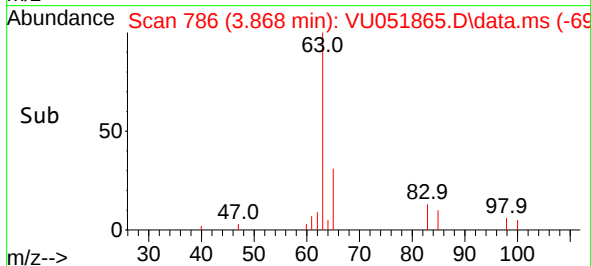
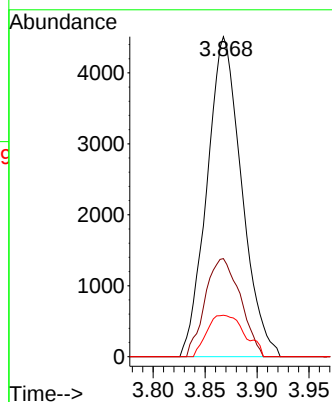
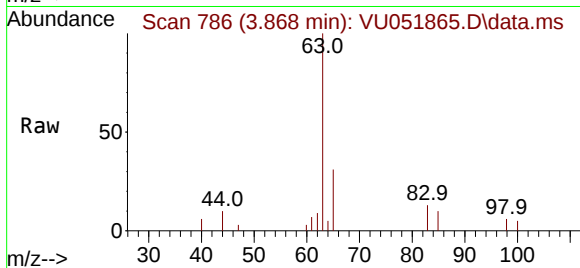
Tgt Ion: 63 Resp: 10480
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.2 41.2
 83 13.0 9.6 17.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#20

cis-1,2-Dichloroethene

Concen: 2.279 ug/L

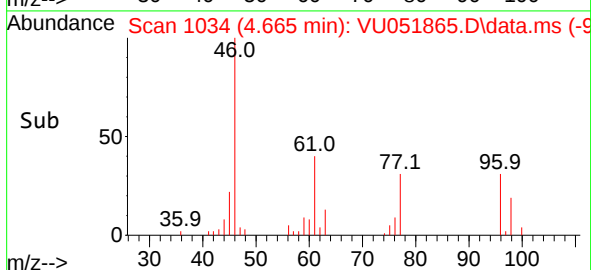
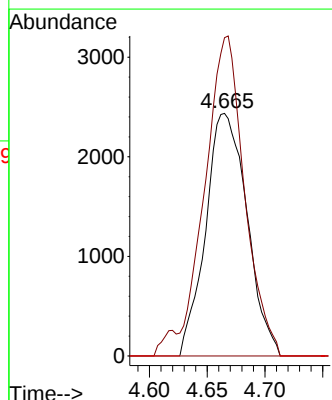
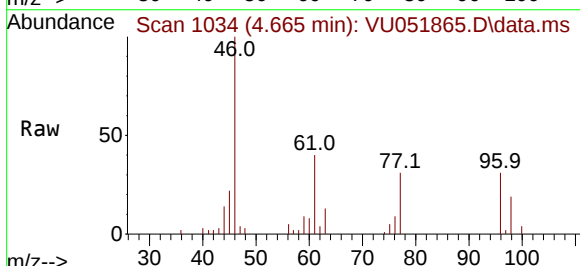
RT: 4.665 min Scan# 1034

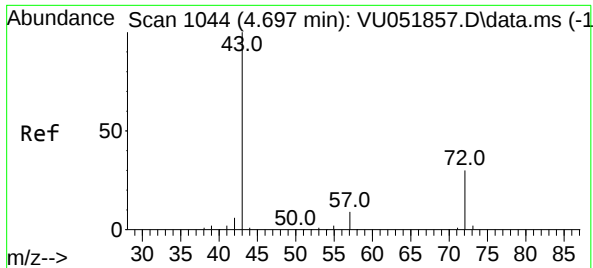
Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Tgt Ion: 96 Resp: 6074
 Ion Ratio Lower Upper
 96 100
 61 131.2 86.0 159.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.012 ug/L m

RT: 4.713 min Scan# 1102

Delta R.T. 0.016 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

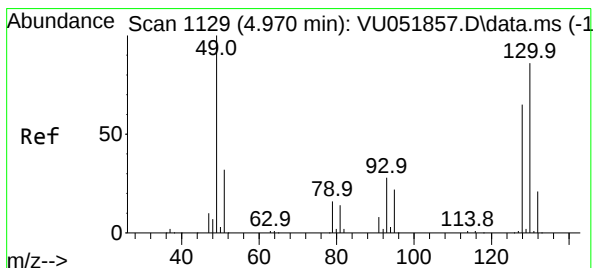
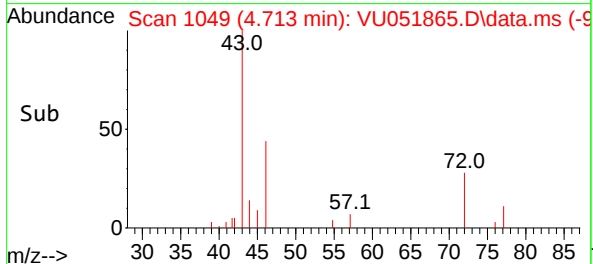
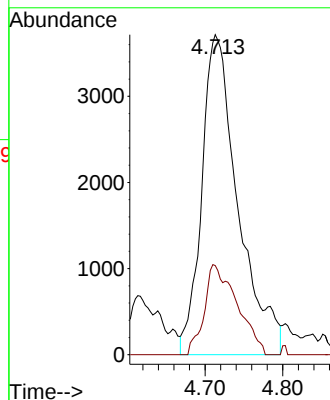
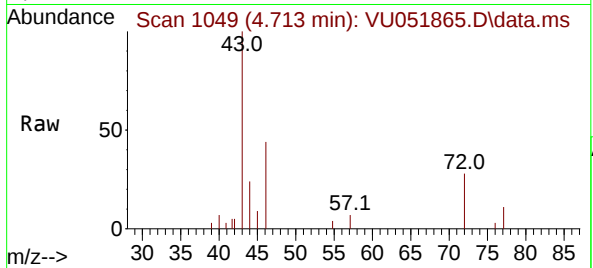
72 13.6 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#23

Bromochloromethane

Concen: 2.205 ug/L

RT: 4.974 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Tgt Ion:128 Resp: 3243

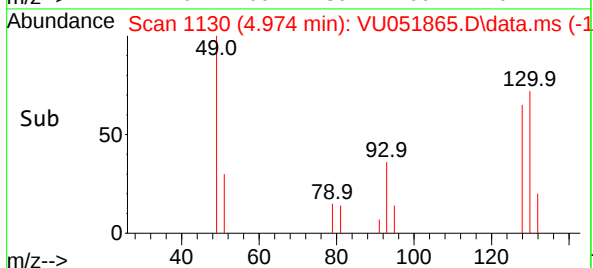
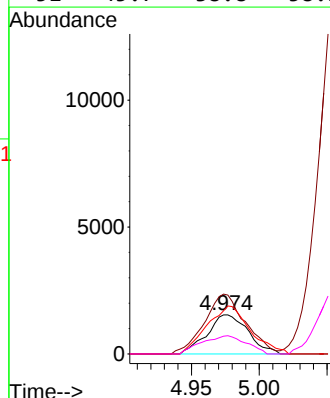
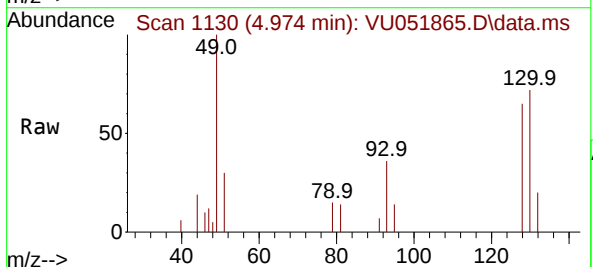
Ion Ratio Lower Upper

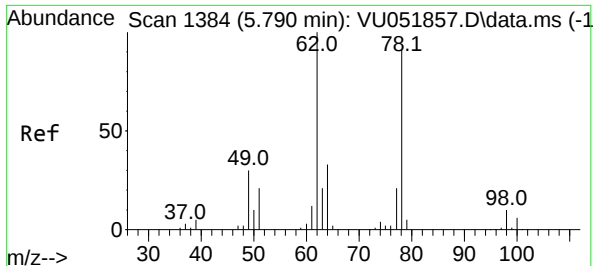
128 100

49 153.4 107.2 199.0

130 110.6 92.5 171.7

51 45.7 38.8 58.2





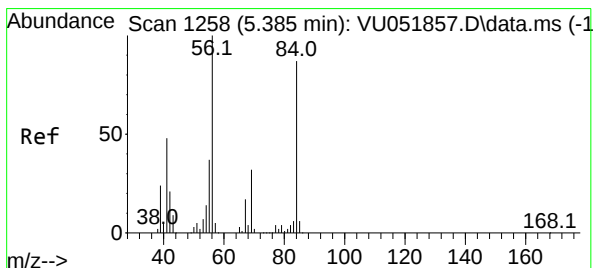
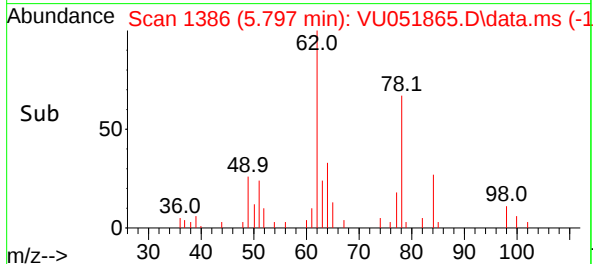
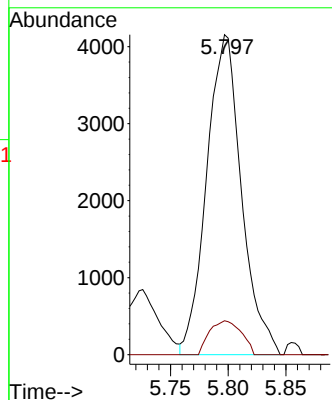
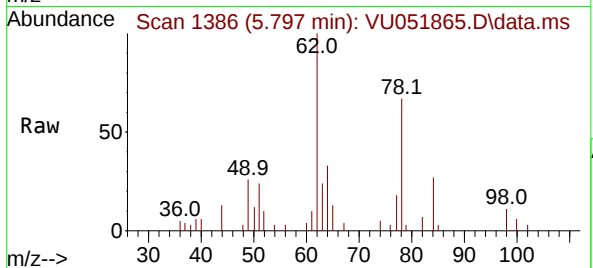
#27
1,2-Dichloroethane
Concen: 2.427 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 62 Resp: 8700
Ion Ratio Lower Upper
62 100
98 10.6 8.1 12.1

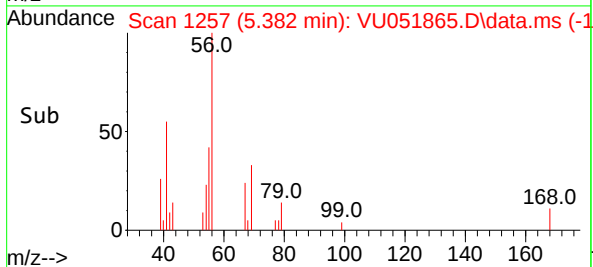
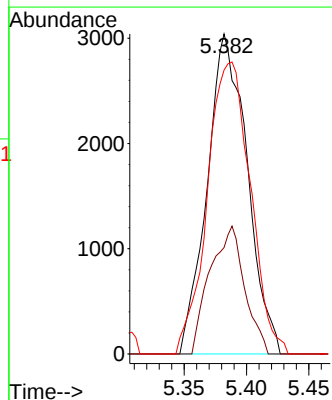
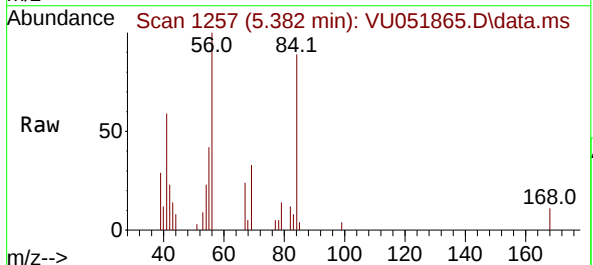
Manual Integrations
APPROVED

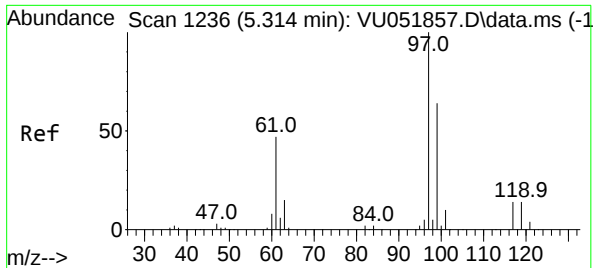
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#29
Cyclohexane
Concen: 2.317 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion: 56 Resp: 6788
Ion Ratio Lower Upper
56 100
69 34.6 25.4 38.2
84 97.9 71.4 107.0





#30

1,1,1-Trichloroethane

Concen: 2.314 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

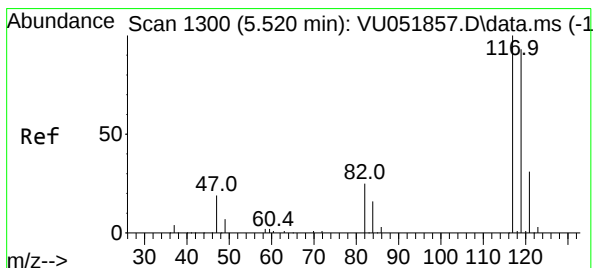
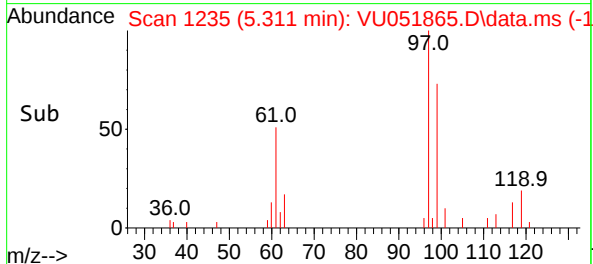
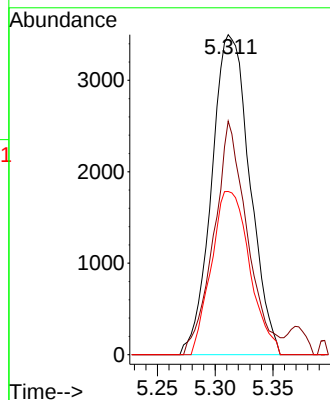
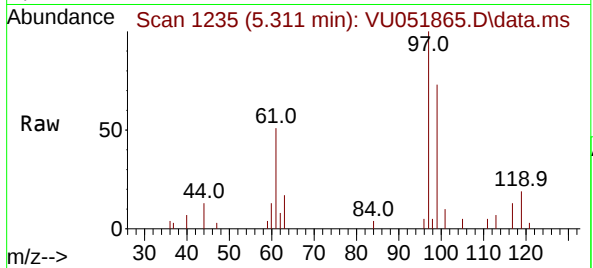
Tgt Ion: 97	Resp: 803
Ion Ratio	Lower Upper
97	100
99	64.0 51.2 76.8
61	51.2 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#31

Carbon tetrachloride

Concen: 2.428 ug/L

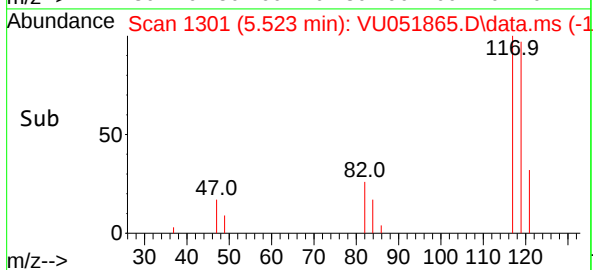
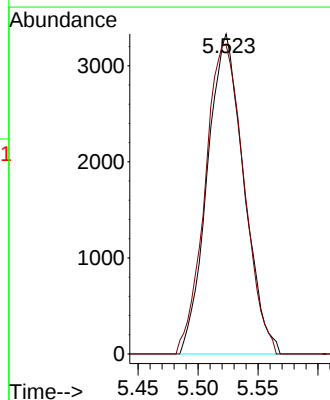
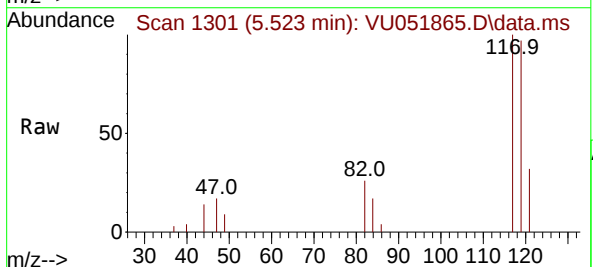
RT: 5.523 min Scan# 1301

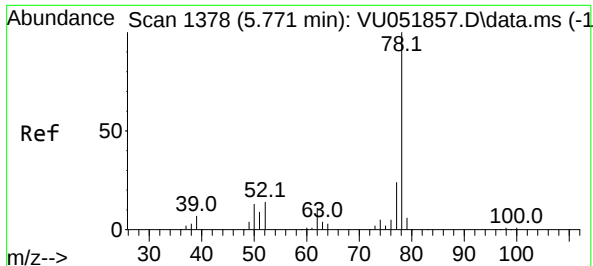
Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Tgt Ion: 117	Resp: 7048
Ion Ratio	Lower Upper
117	100
119	103.0 75.6 113.4





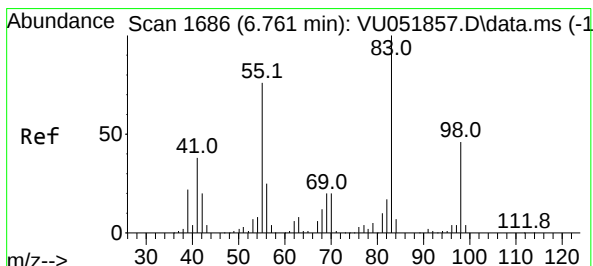
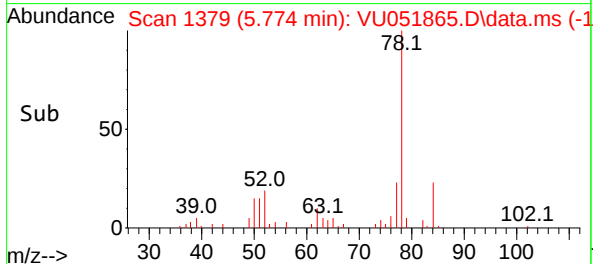
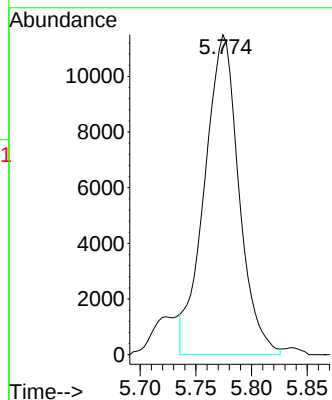
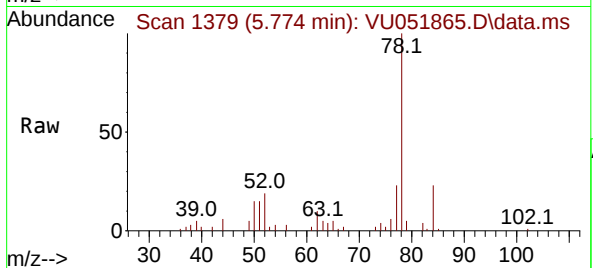
#33
Benzene
Concen: 2.503 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 78 Resp: 24720

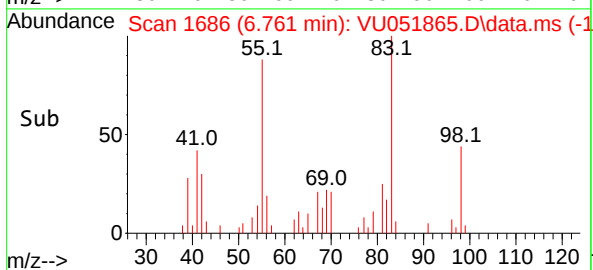
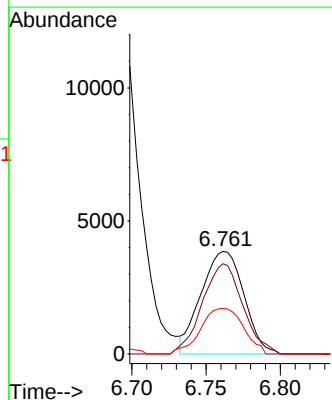
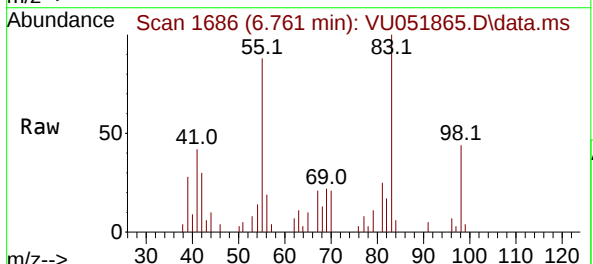
Manual Integrations
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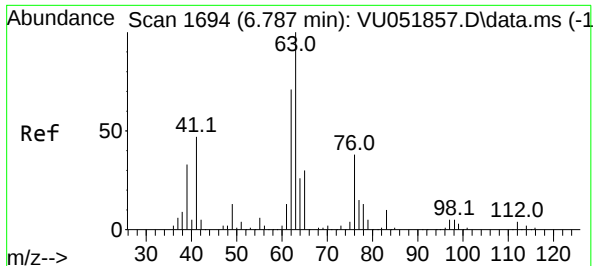
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#35
Methylcyclohexane
Concen: 2.437 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion: 83 Resp: 7733
Ion Ratio Lower Upper
83 100
55 83.1 60.0 90.0
98 44.4 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.376 ug/L

RT: 6.787 min Scan# 1694

Delta R.T. -0.000 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 63 Resp: 664

Ion Ratio Lower Upper

63 100

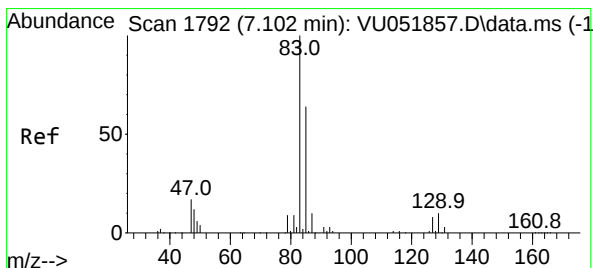
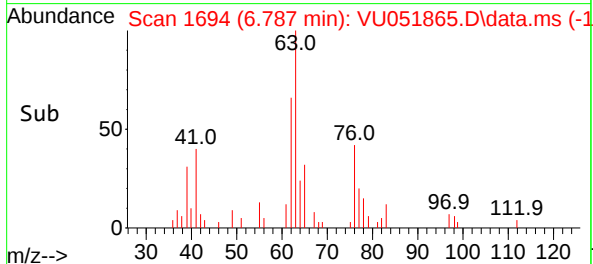
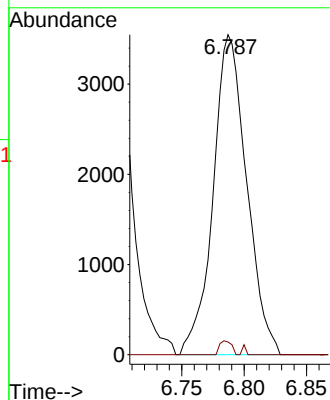
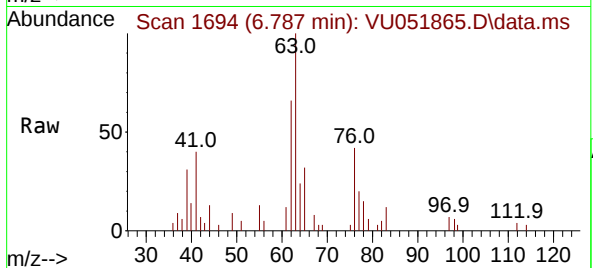
112 1.5 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#38

Bromodichloromethane

Concen: 2.322 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

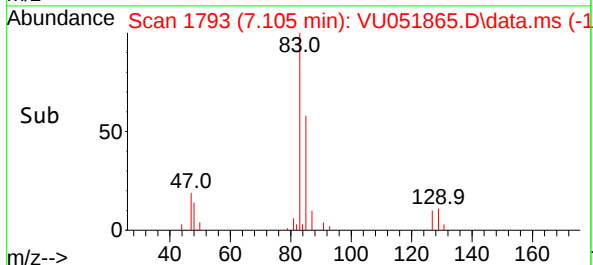
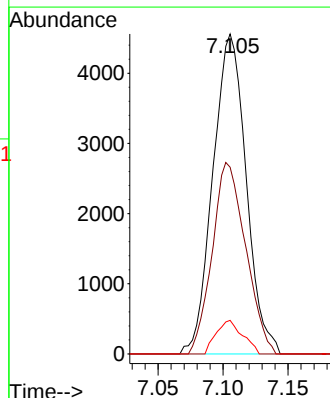
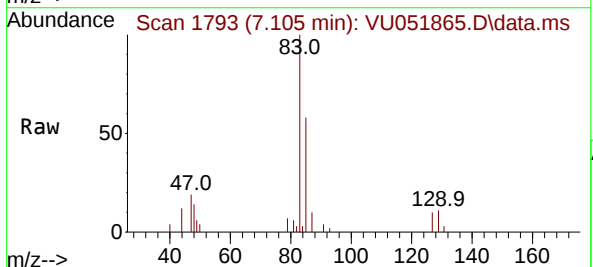
Tgt Ion: 83 Resp: 8124

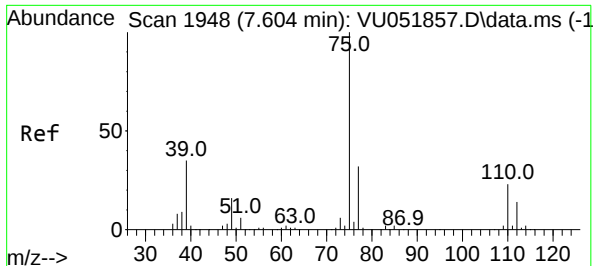
Ion Ratio Lower Upper

83 100

85 58.3 44.6 82.8

127 10.5 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 2.162 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 75 Resp: 7909

Ion Ratio Lower Upper

75 100

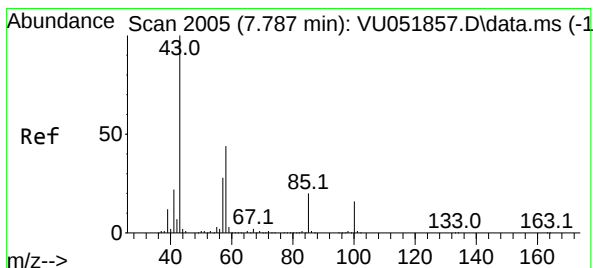
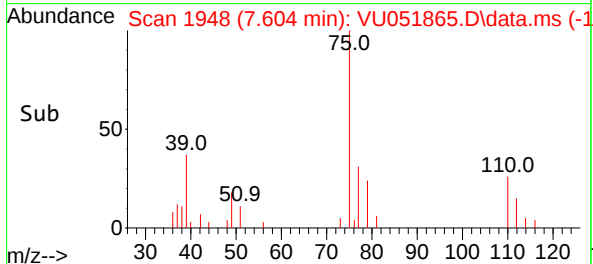
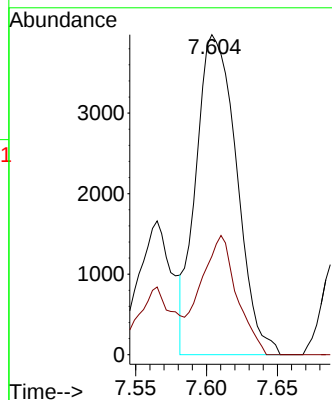
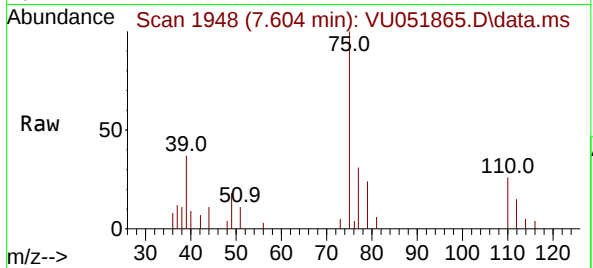
77 30.7 22.5 41.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#40

4-Methyl-2-pentanone

Concen: 4.306 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

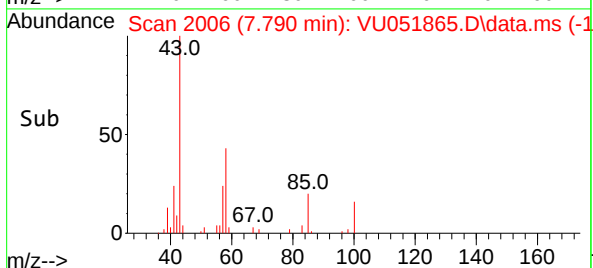
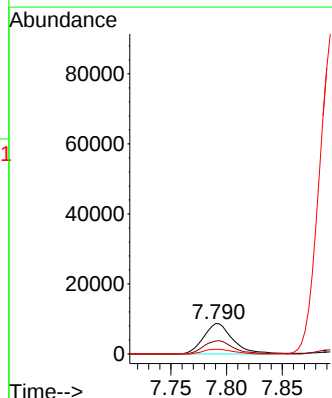
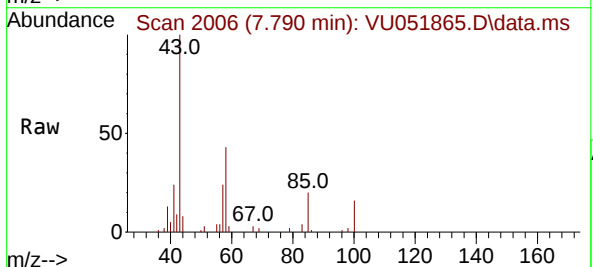
Tgt Ion: 43 Resp: 15861

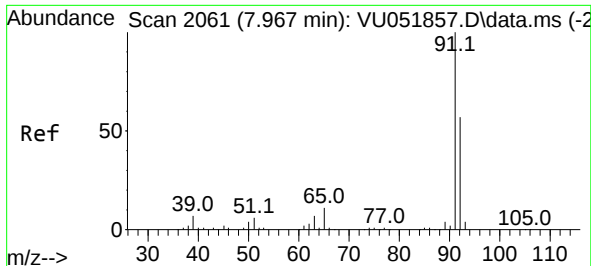
Ion Ratio Lower Upper

43 100

58 43.6 35.4 53.2

100 15.6 13.4 20.0





#42

Toluene

Concen: 2.207 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 22418

Ion Ratio Lower Upper

91 100

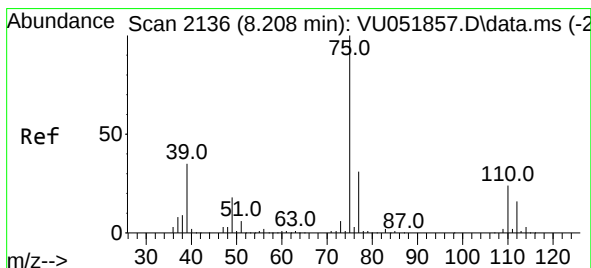
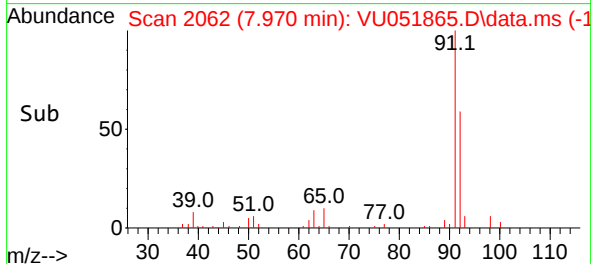
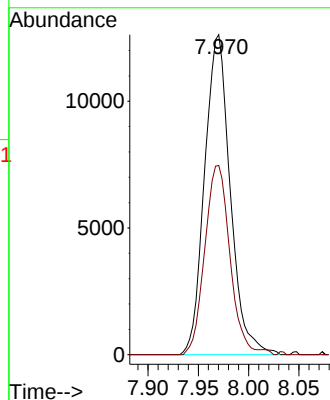
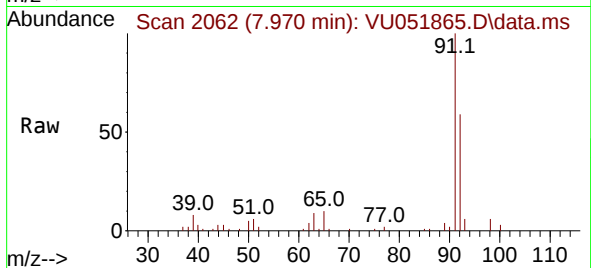
92 59.2 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#44

trans-1,3-Dichloropropene

Concen: 2.164 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051865.D

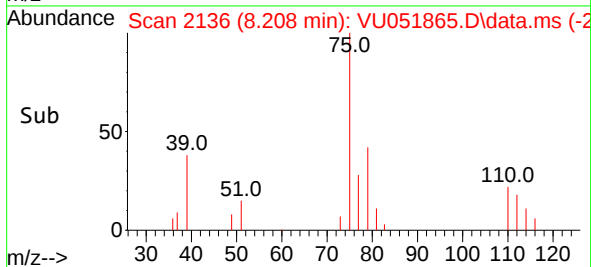
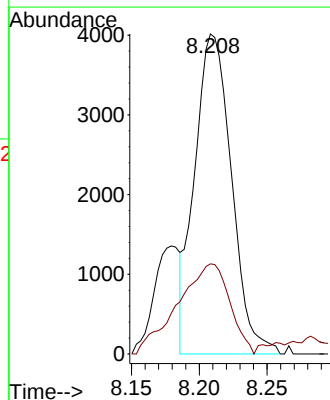
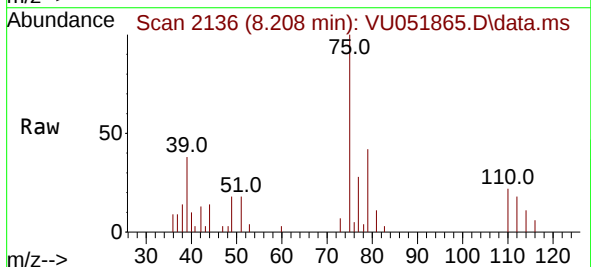
Acq: 15 Nov 2022 17:35

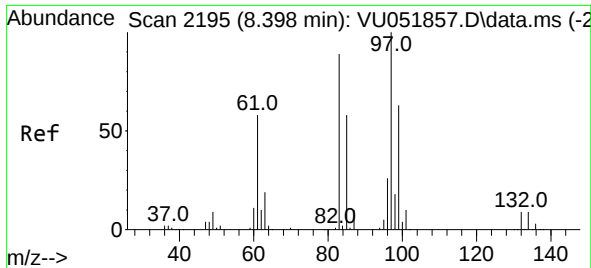
Tgt Ion: 75 Resp: 7587

Ion Ratio Lower Upper

75 100

77 28.2 21.8 40.6





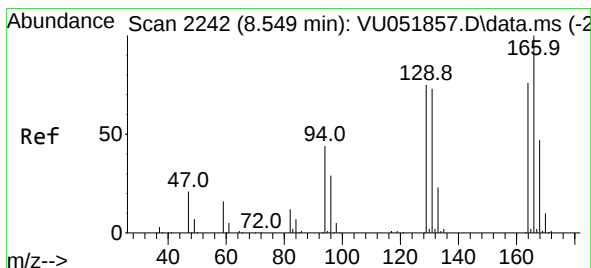
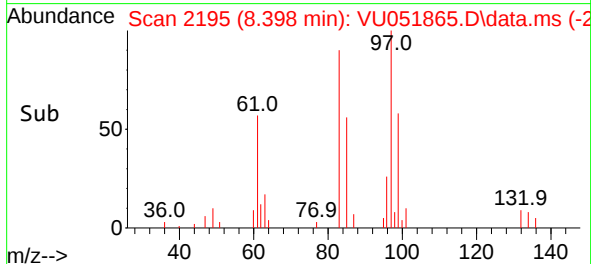
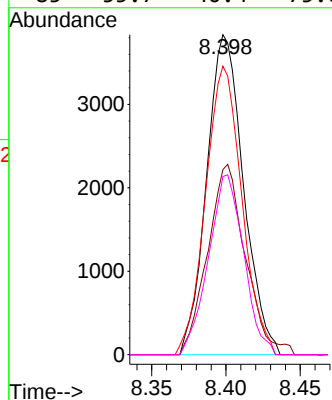
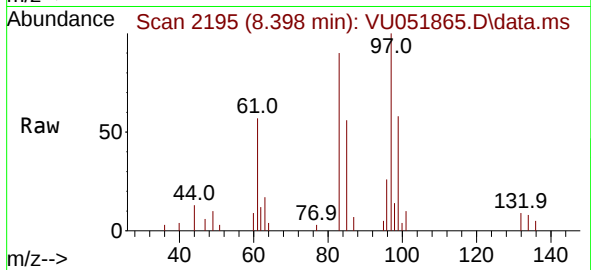
#45
1,1,2-Trichloroethane
Concen: 2.327 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument : MSVOA_U
ClientSampleId : MDL01

Tgt Ion: 97	Resp: 661
Ion Ratio	Lower Upper
97 100	
99 57.9	44.3 82.3
83 90.1	62.3 115.7
85 55.7	40.4 75.0

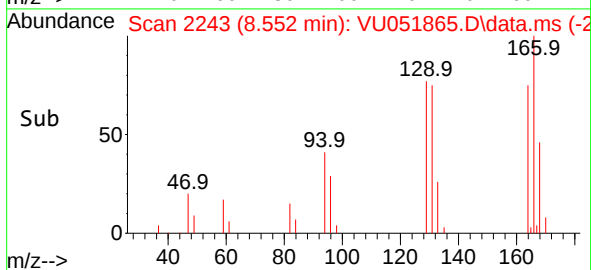
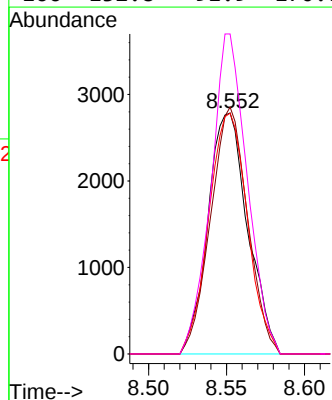
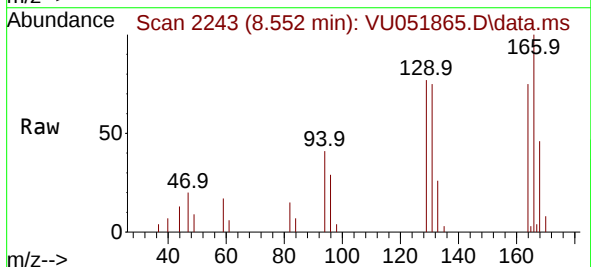
Manual Integrations
APPROVED

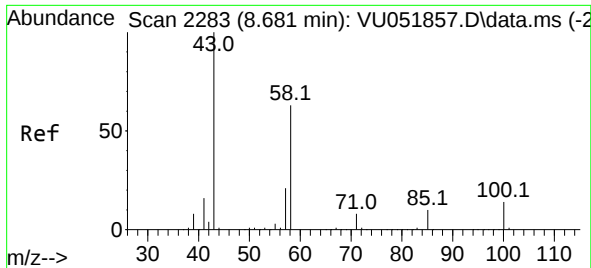
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#46
Tetrachloroethene
Concen: 2.642 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

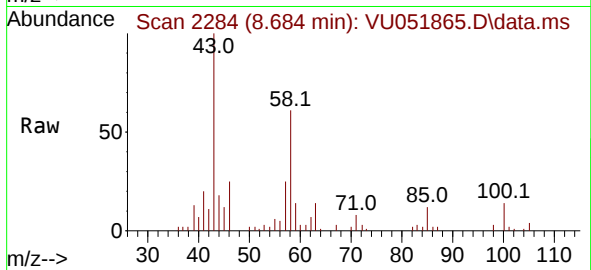
Tgt	Ion:164	Resp:	4937
Ion	Ratio	Lower	Upper
164	100		
129	102.4	68.5	127.1
131	100.0	66.6	123.8
166	132.8	91.9	170.7





#48
2-Hexanone
Concen: 6.308 ug/L
RT: 8.684 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

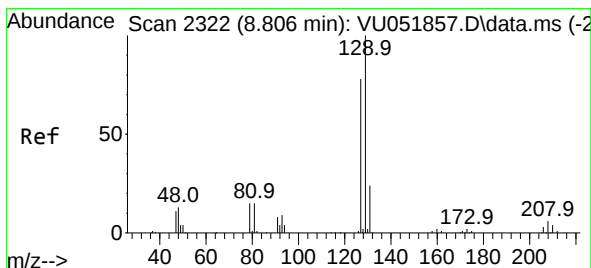
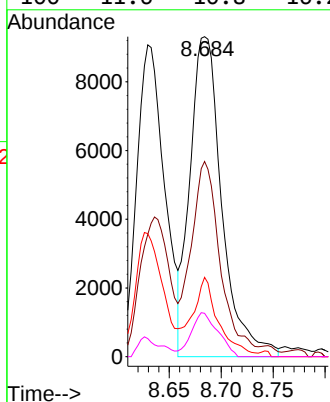
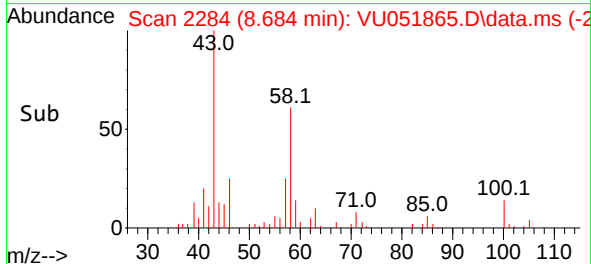
Instrument :
MSVOA_U
ClientSampleId :
MDL01



Tgt Ion: 43 Resp: 19954
Ion Ratio Lower Upper
43 100
58 46.4 50.6 76.0
57 19.9 16.8 25.2
100 11.6 10.8 16.2

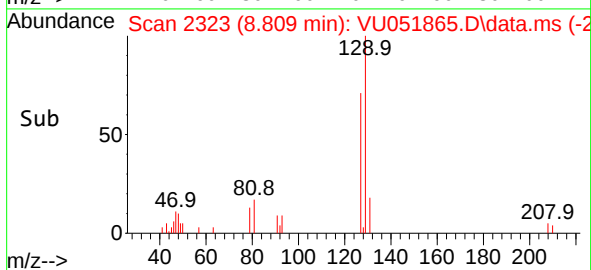
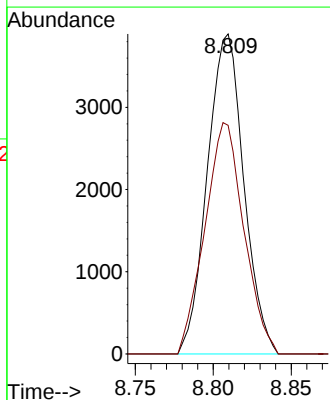
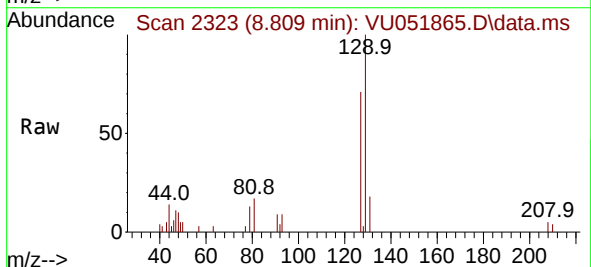
Manual Integrations
APPROVED

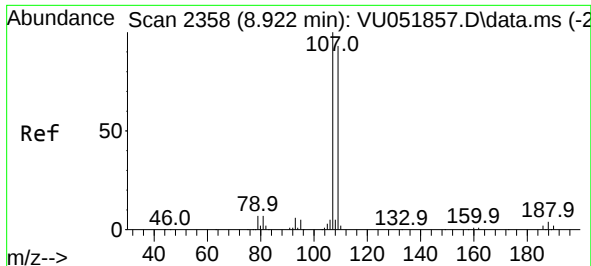
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#49
Dibromochloromethane
Concen: 2.169 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

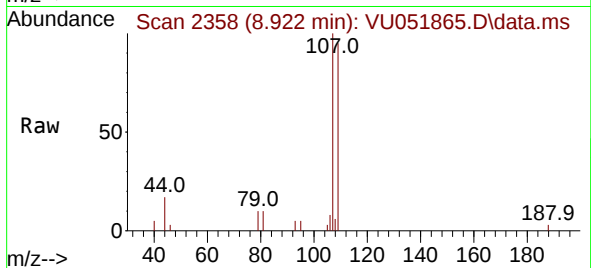
Tgt Ion:129 Resp: 6357
Ion Ratio Lower Upper
129 100
127 71.4 54.4 101.0





#50
1,2-Dibromoethane
Concen: 2.160 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

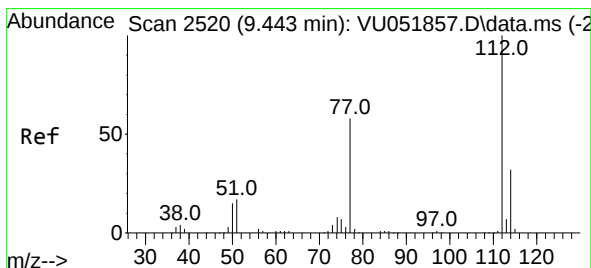
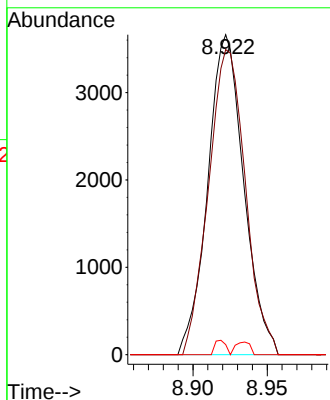
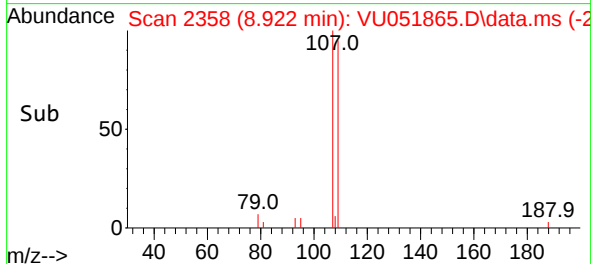
Instrument : MSVOA_U
ClientSampleId : MDL01



Tgt Ion:107 Resp: 6179
Ion Ratio Lower Upper
107 100
109 95.4 65.0 120.6
188 3.1 2.9 4.3

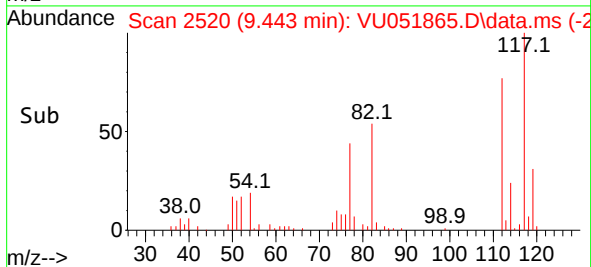
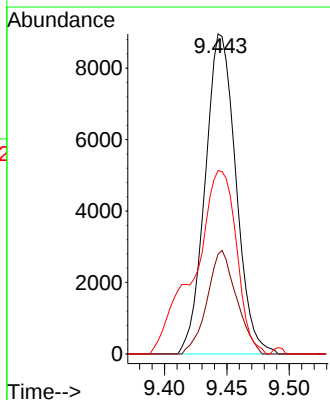
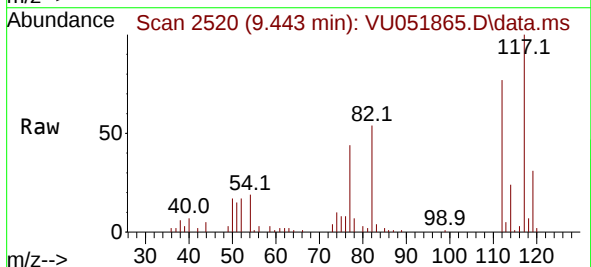
Manual Integrations
APPROVED

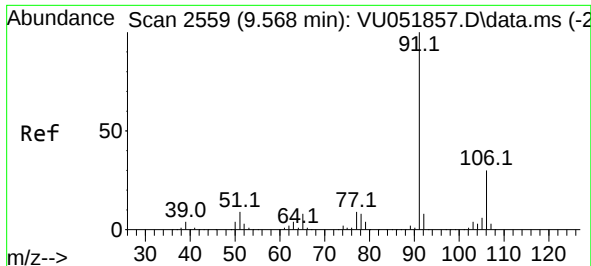
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#51
Chlorobenzene
Concen: 2.215 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion:112 Resp: 15377
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 57.3 46.7 70.1





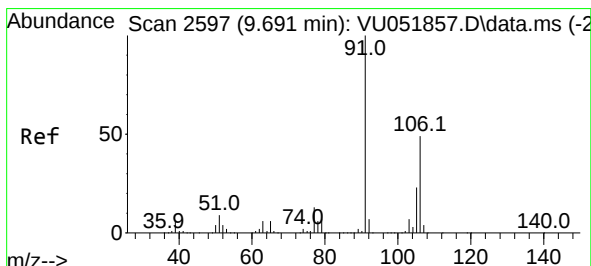
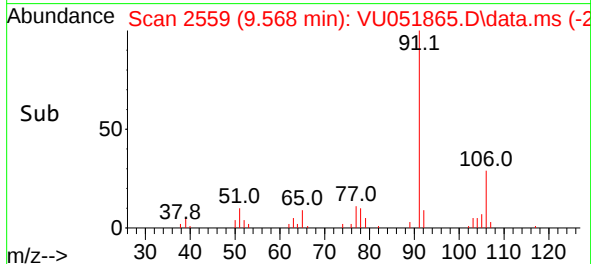
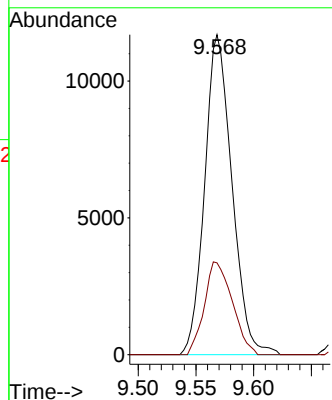
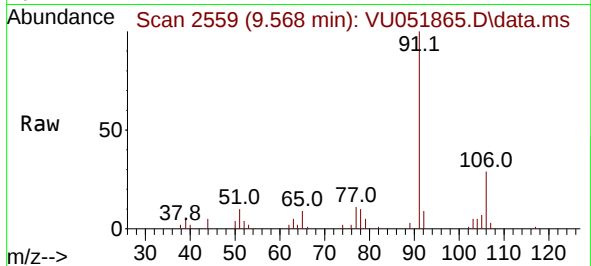
#52
Ethylbenzene
Concen: 1.849 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 91 Resp: 19220
Ion Ratio Lower Upper
91 100
106 28.7 21.3 39.6

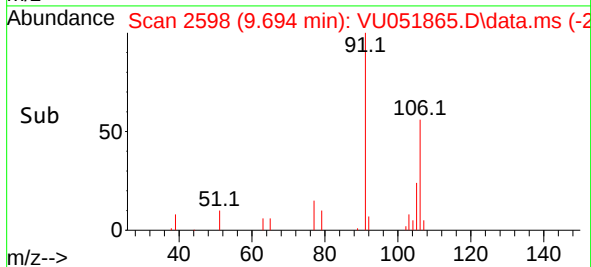
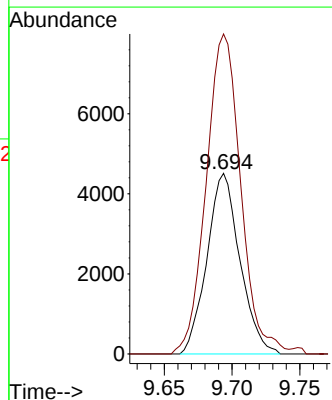
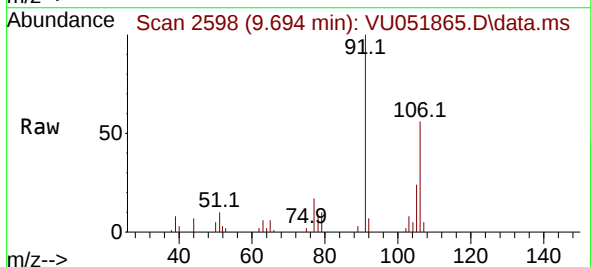
Manual Integrations
APPROVED

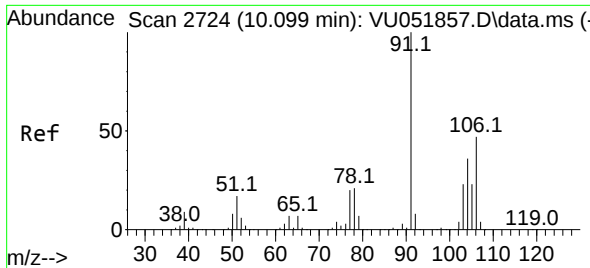
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#53
m,p-Xylene
Concen: 1.894 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion:106 Resp: 7624
Ion Ratio Lower Upper
106 100
91 177.2 141.7 263.3





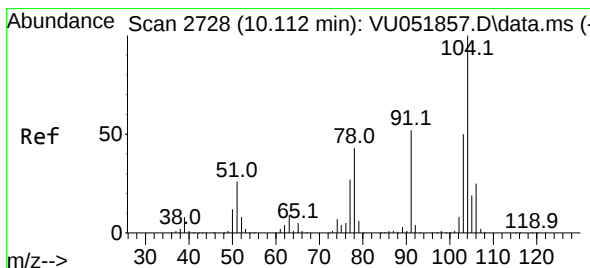
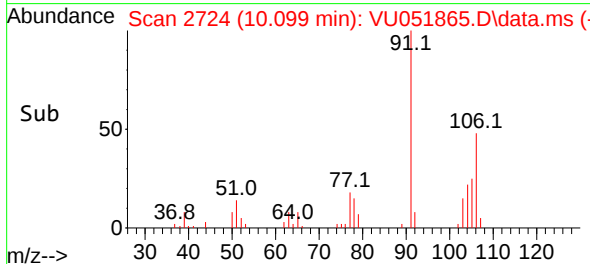
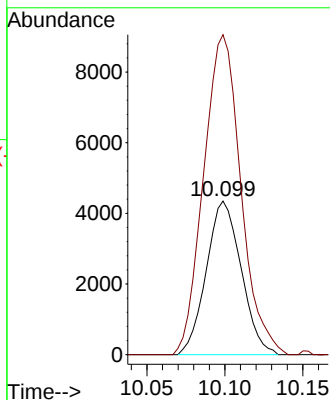
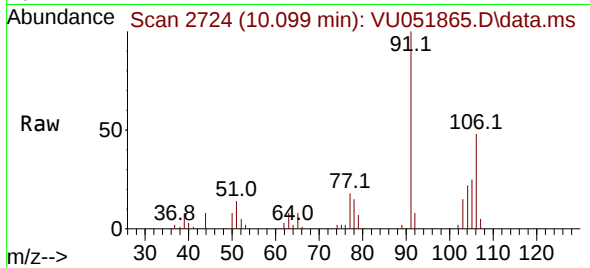
#54
o-Xylene
Concen: 1.652 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:106 Resp: 6760
Ion Ratio Lower Upper
106 100
91 208.2 149.7 278.1

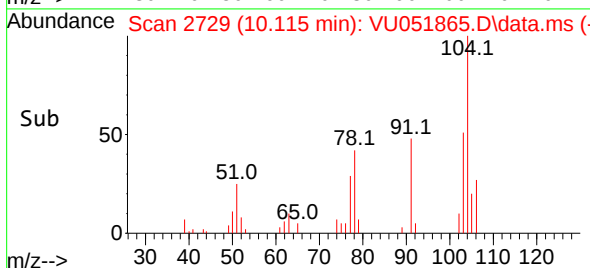
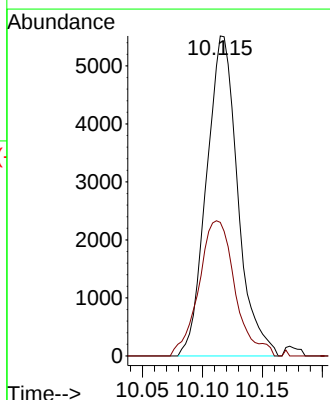
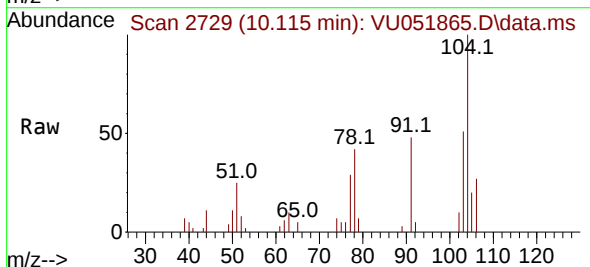
Manual Integrations
APPROVED

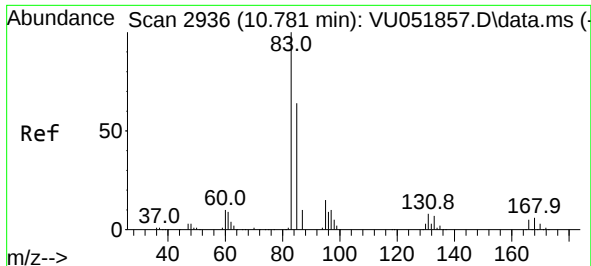
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#55
Styrene
Concen: 1.415 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion:104 Resp: 10003
Ion Ratio Lower Upper
104 100
78 41.7 30.3 56.3





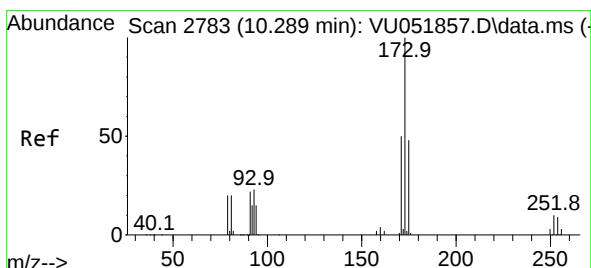
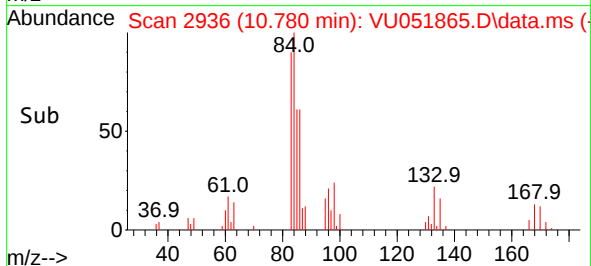
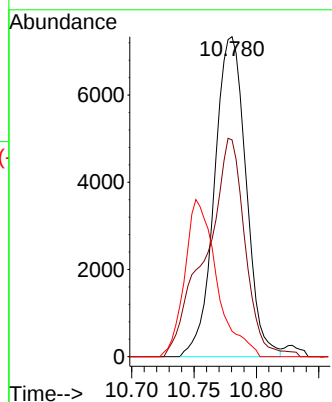
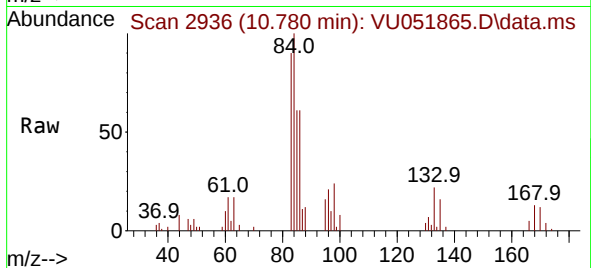
#57
1,1,2,2-Tetrachloroethane
Concen: 2.409 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument : MSVOA_U
ClientSampleId : MDL01

Tgt Ion: 83 Resp: 1294
Ion Ratio Lower Upper
83 100
85 67.7 44.9 83.3
131 8.0 6.8 10.2

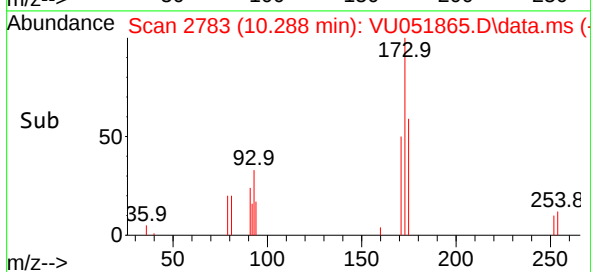
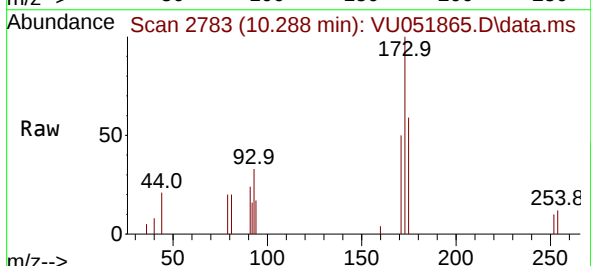
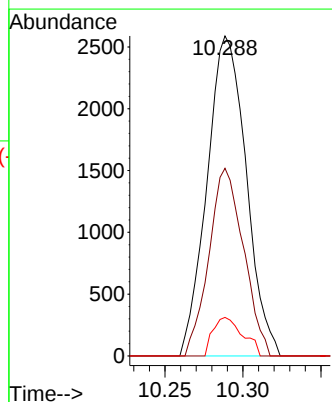
Manual Integrations
APPROVED

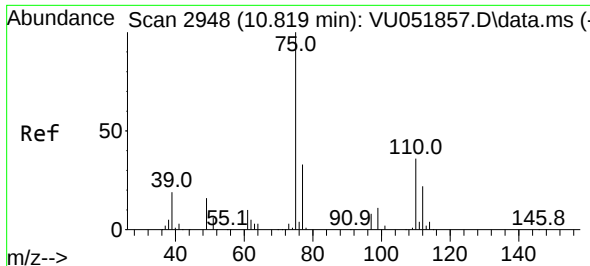
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#59
Bromoform
Concen: 2.693 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion:173 Resp: 4520
Ion Ratio Lower Upper
173 100
175 51.8 38.9 58.3
254 8.0 7.4 11.2





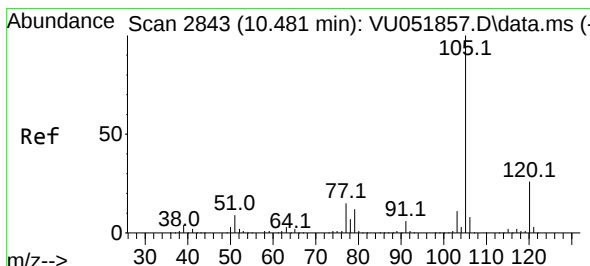
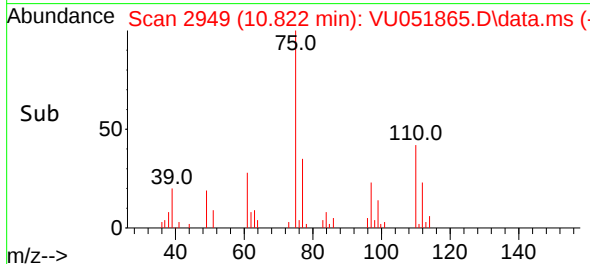
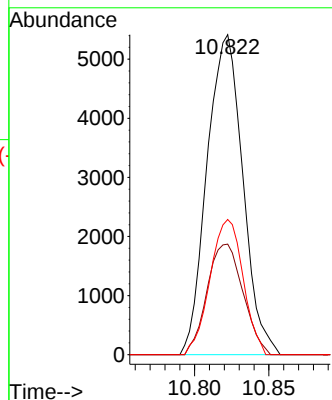
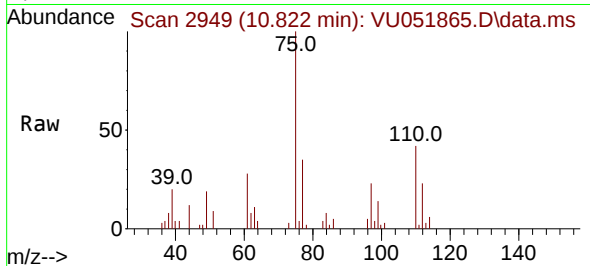
#60
1,2,3-Trichloropropane
Concen: 3.063 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 75 Resp: 9068
Ion Ratio Lower Upper
75 100
77 34.7 26.2 39.4
110 39.1 29.0 43.4

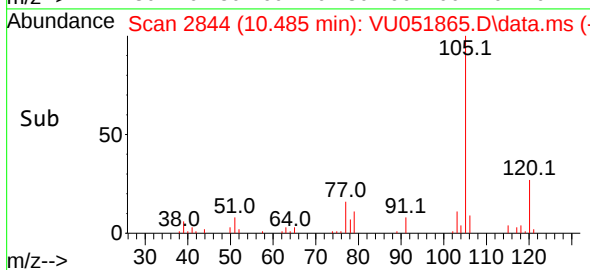
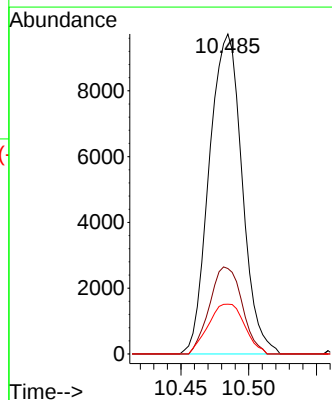
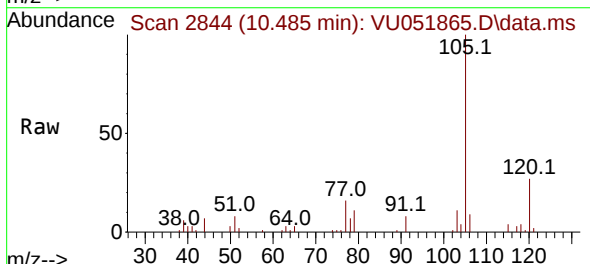
Manual Integrations
APPROVED

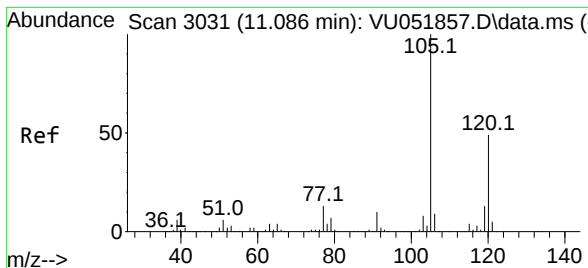
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#61
Isopropylbenzene
Concen: 2.263 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion:105 Resp: 16374
Ion Ratio Lower Upper
105 100
120 26.9 21.1 31.7
77 17.2 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 1.878 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion:105 Resp: 11068

Ion Ratio Lower Upper

105 100

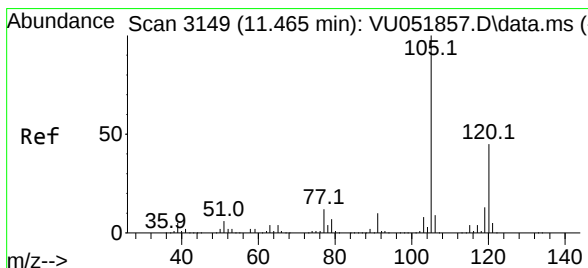
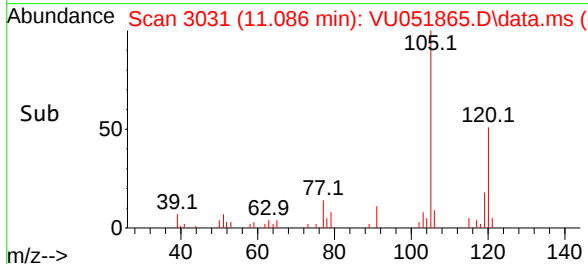
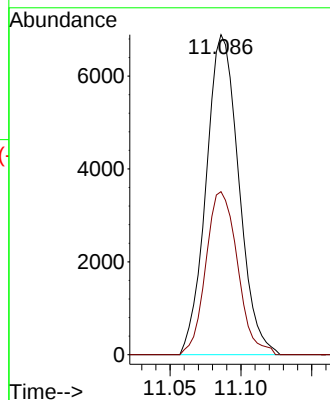
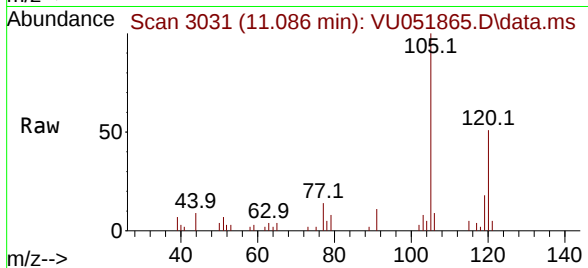
120 49.4 39.1 58.7

Manual Integrations

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Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#63

1,2,4-Trimethylbenzene

Concen: 1.761 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU051865.D

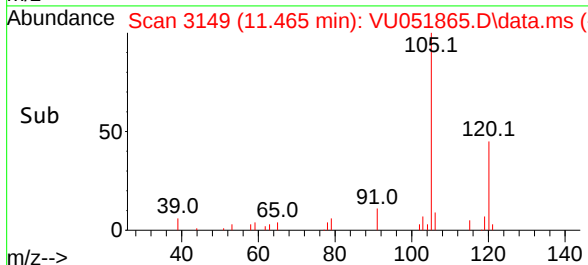
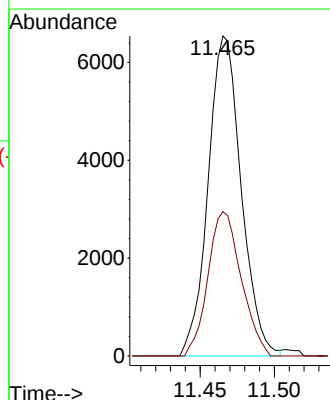
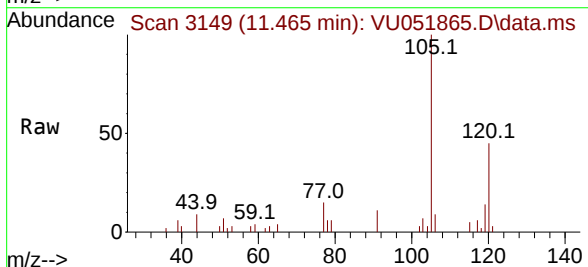
Acq: 15 Nov 2022 17:35

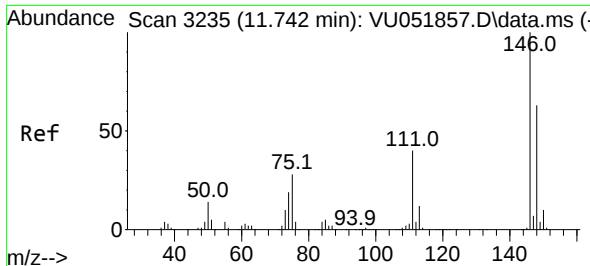
Tgt Ion:105 Resp: 10141

Ion Ratio Lower Upper

105 100

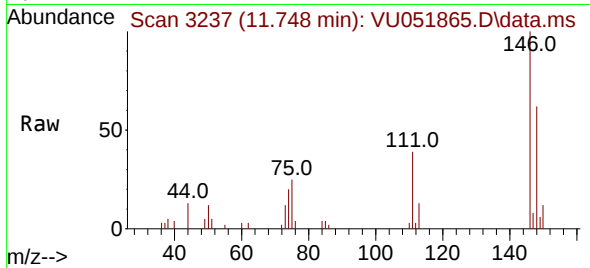
120 45.2 36.2 54.2





#64
1,3-Dichlorobenzene
Concen: 2.313 ug/L
RT: 11.748 min Scan# 3235
Delta R.T. 0.006 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

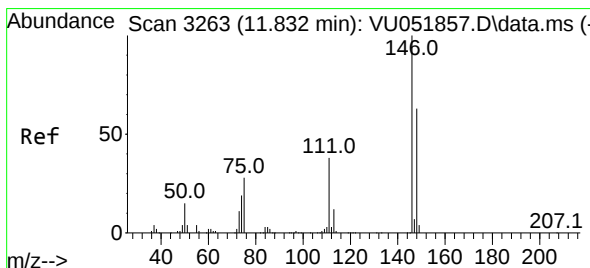
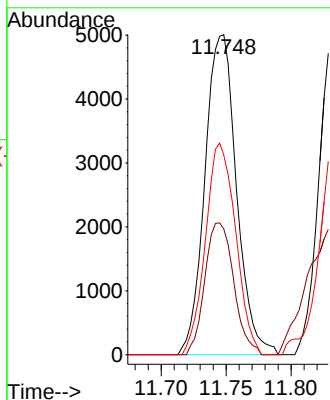
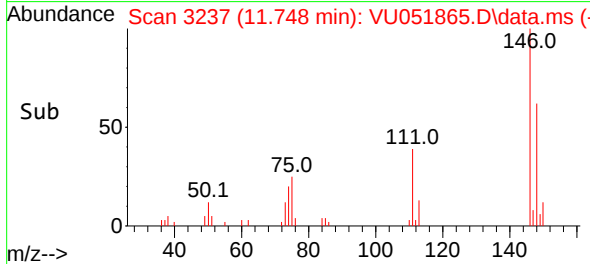
Instrument :
MSVOA_U
ClientSampleId :
MDL01



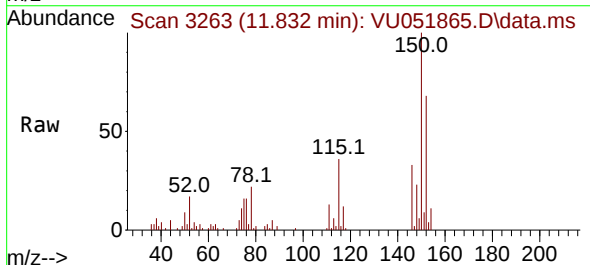
Tgt Ion:146 Resp: 8479
Ion Ratio Lower Upper
146 100
111 39.3 28.1 52.1
148 62.3 44.4 82.4

Manual Integrations
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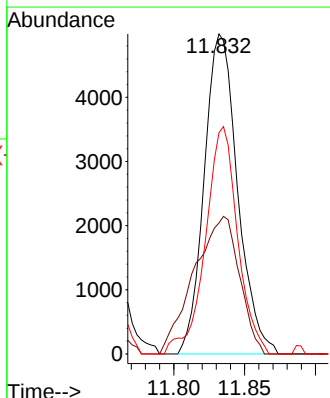
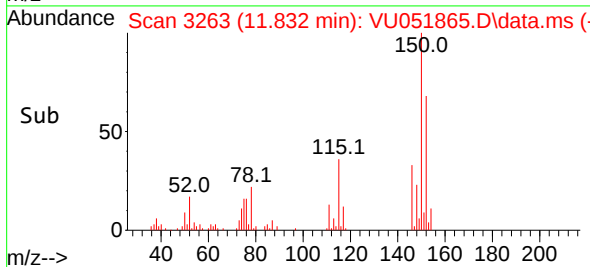
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

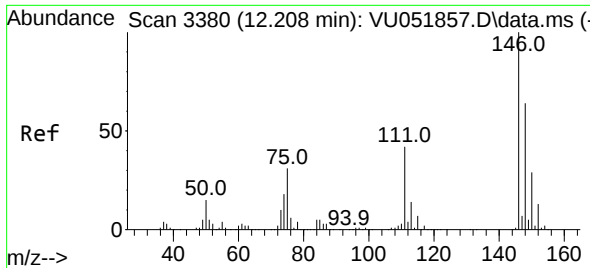


#65
1,4-Dichlorobenzene
Concen: 2.200 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35



Tgt Ion:146 Resp: 8168
Ion Ratio Lower Upper
146 100
111 41.0 26.7 49.5
148 69.1 44.4 82.4





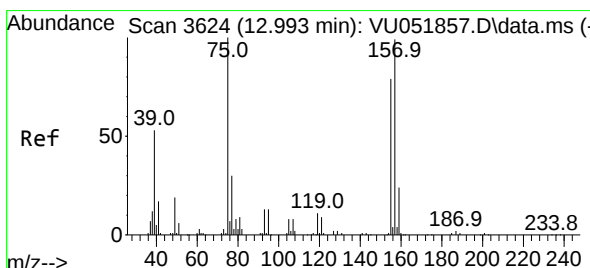
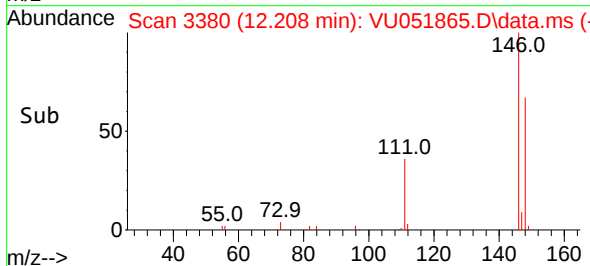
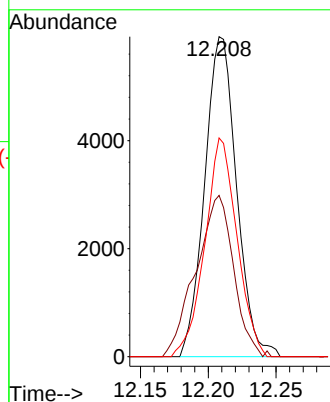
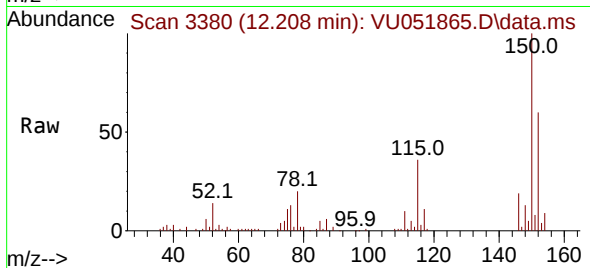
#67
1,2-Dichlorobenzene
Concen: 2.488 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:146 Resp: 970
Ion Ratio Lower Upper
146 100
111 50.4 33.6 50.4
148 68.4 50.9 76.3

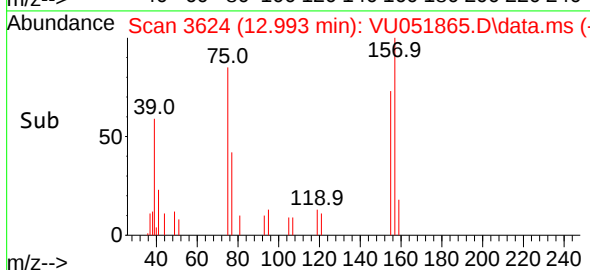
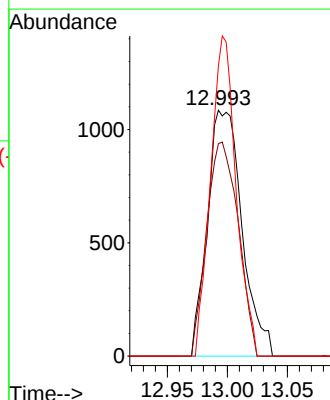
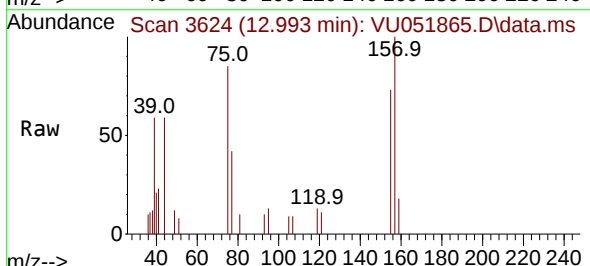
Manual Integrations
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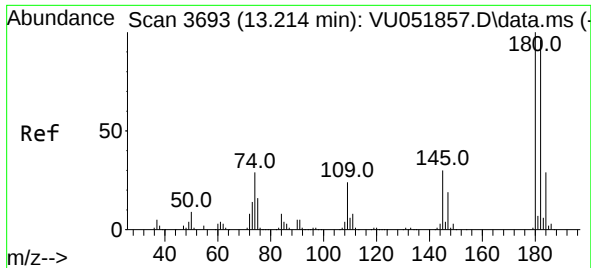
Reviewed By :John Carlone 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#68
1,2-Dibromo-3-chloropropane
Concen: 2.859 ug/L
RT: 12.993 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051865.D
Acq: 15 Nov 2022 17:35

Tgt Ion: 75 Resp: 2167
Ion Ratio Lower Upper
75 100
155 86.5 63.0 94.6
157 118.2 79.4 119.0





#69

1,3,5-Trichlorobenzene

Concen: 2.118 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.006 min

Lab File: VU051865.D

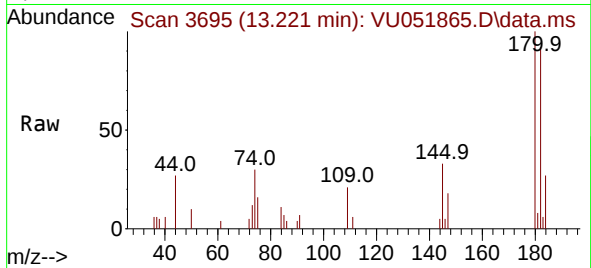
Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01



Tgt Ion:180 Resp: 515

Ion Ratio Lower Upper

180 100

182 98.0 77.0 115.4

184 29.3 23.8 35.8

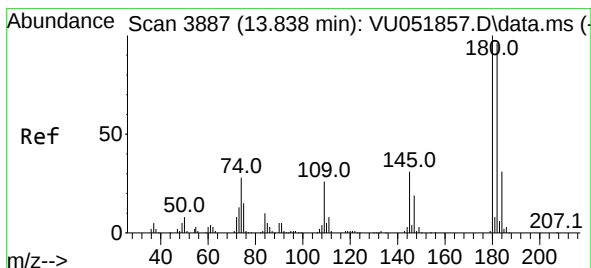
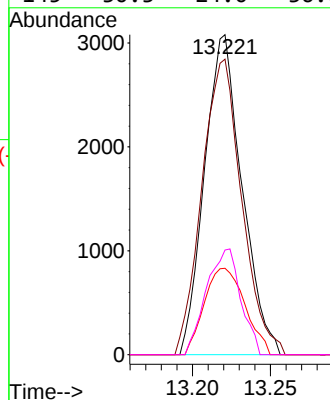
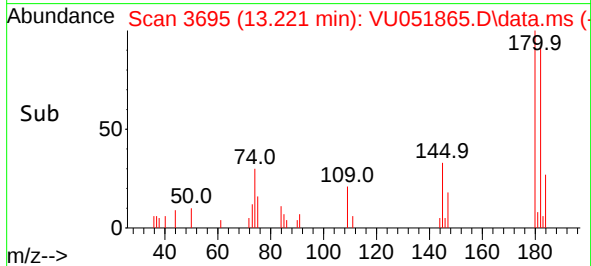
145 30.3 24.0 36.0

Manual Integrations

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Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#70

1,2,4-trichlorobenzene

Concen: 1.933 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU051865.D

Acq: 15 Nov 2022 17:35

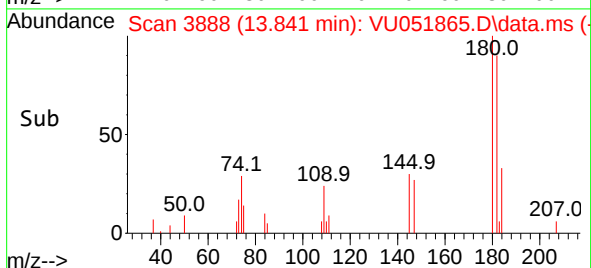
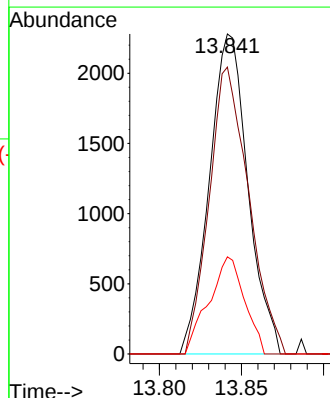
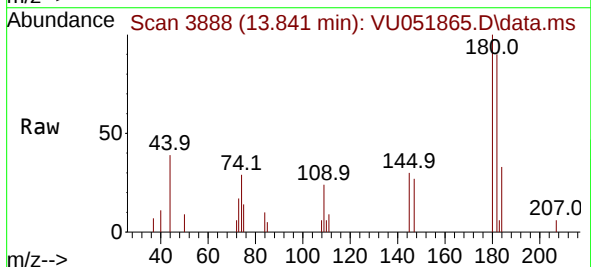
Tgt Ion:180 Resp: 3727

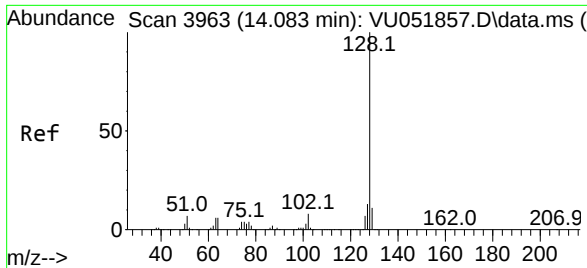
Ion Ratio Lower Upper

180 100

182 91.5 76.4 114.6

145 28.1 24.2 36.2





#71

Naphthalene

Concen: 1.881 ug/L m

RT: 14.089 min Scan# 3965

Delta R.T. 0.006 min

Lab File: VU051865.D

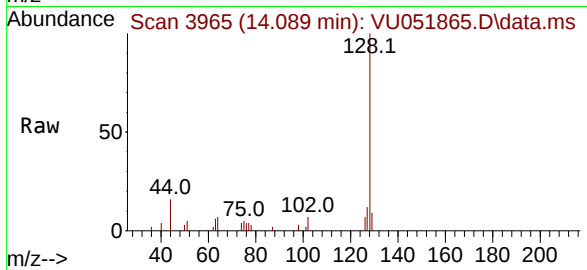
Acq: 15 Nov 2022 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL01



Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.4	15.6
129	9.1	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022

