

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051868.D
 Acq On : 15 Nov 2022 18:46
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:25:09 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	481515	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	477434	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	187682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	108796	46.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.040%		
7) Chloroethane-d5	1.909	69	114779	48.462	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.920%		
11) 1,1-Dichloroethene-d2	2.565	63	135304	31.918	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.840%		
21) 2-Butanone-d5	4.616	46	261661	97.343	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.340%		
24) Chloroform-d	5.060	84	274704	46.357	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
26) 1,2-Dichloroethane-d4	5.700	65	174750	48.174	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.340%		
32) Benzene-d6	5.726	84	491466	49.370	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.740%		
36) 1,2-Dichloropropane-d6	6.687	67	188173	50.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.560%		
41) Toluene-d8	7.896	98	371808	45.504	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.000%		
43) trans-1,3-Dichloroprop...	8.176	79	68555	46.449	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.900%		
47) 2-Hexanone-d5	8.629	63	176959	93.968	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.970%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	329018	45.623	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.240%		
66) 1,2-Dichlorobenzene-d4	12.192	152	173612	52.564	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4577	1.548	ug/L	100
3) Chloromethane	1.523	50	10828	2.758	ug/L	98
5) Vinyl chloride	1.604	62	7758	1.905	ug/L #	1
6) Bromomethane	1.845	94	3737	2.118	ug/L	90
8) Chloroethane	1.928	64	5251	1.983	ug/L	85
9) Trichlorofluoromethane	2.137	101	8155	1.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6396	2.082	ug/L	90
12) 1,1-Dichloroethene	2.578	96	6106	2.128	ug/L #	1
13) Acetone	2.623	43	10969	3.814	ug/L	98
14) Carbon disulfide	2.790	76	14966	1.883	ug/L	99
15) Methyl Acetate	2.951	43	7108	1.813	ug/L	96
16) Methylene chloride	3.047	84	8151	1.779	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	5255	1.699	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	15493	1.619	ug/L #	96
19) 1,1-Dichloroethane	3.867	63	11540m	1.834	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	6114	1.694	ug/L	95
22) 2-Butanone	4.713	43	11487m	3.537	ug/L	
23) Bromochloromethane	4.976	128	3281	1.647	ug/L	89
27) 1,2-Dichloroethane	5.796	62	8881	1.830	ug/L	98

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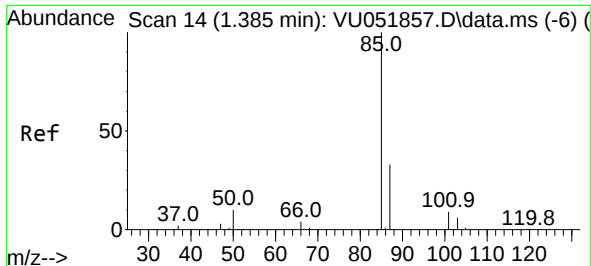
Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	6414	1.575	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	8698	1.802	ug/L	98
31) Carbon tetrachloride	5.526	117	6998	1.734	ug/L	98
33) Benzene	5.774	78	25512	1.858	ug/L	100
35) Methylcyclohexane	6.758	83	6744	1.529	ug/L	99
37) 1,2-Dichloropropane	6.793	63	6886	1.771	ug/L #	95
38) Bromodichloromethane	7.102	83	8267	1.699	ug/L	85
39) cis-1,3-Dichloropropene	7.607	75	8531	1.677	ug/L	93
40) 4-Methyl-2-pentanone	7.790	43	15497	3.026	ug/L	99
42) Toluene	7.970	91	25416	1.799	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	7769m	1.594	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	7396	1.872	ug/L	93
46) Tetrachloroethene	8.552	164	4581	1.763	ug/L	98
49) Dibromochloromethane	8.806	129	7044	1.729	ug/L	98
50) 1,2-Dibromoethane	8.922	107	7171	1.803	ug/L	99
51) Chlorobenzene	9.446	112	16676	1.728	ug/L	94
52) Ethylbenzene	9.568	91	21845	1.511	ug/L	96
53) m,p-Xylene	9.693	106	8083	1.444	ug/L	98
54) o-Xylene	10.098	106	7427	1.304	ug/L	99
55) Styrene	10.115	104	11769	1.198	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	13459	1.802	ug/L #	94
59) Bromoform	10.288	173	4686	1.842	ug/L	93
60) 1,2,3-Trichloropropane	10.819	75	9468	2.109	ug/L	98
61) Isopropylbenzene	10.481	105	17350	1.582	ug/L	96
62) 1,3,5-Trimethylbenzene	11.086	105	12925	1.446	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	11680	1.338	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	9438	1.698	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	10270	1.824	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	11877	2.009	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	2504	2.178	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.221	180	6408	1.737	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	4887	1.672	ug/L	99
71) Naphthalene	14.085	128	14678	1.527	ug/L	98

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



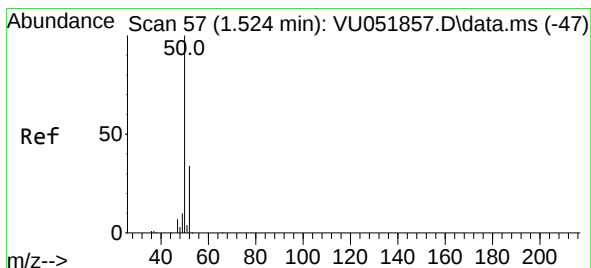
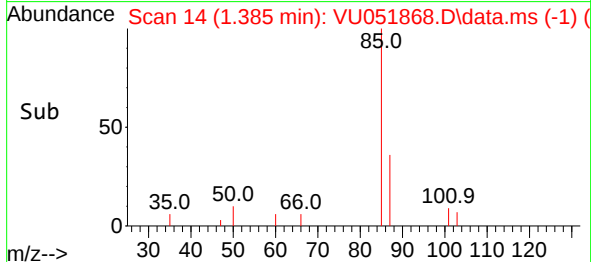
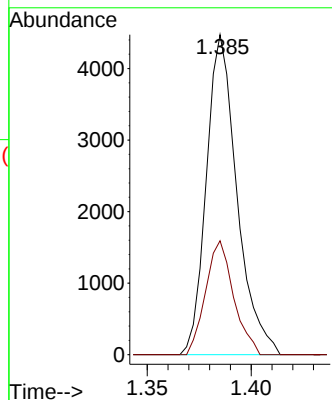
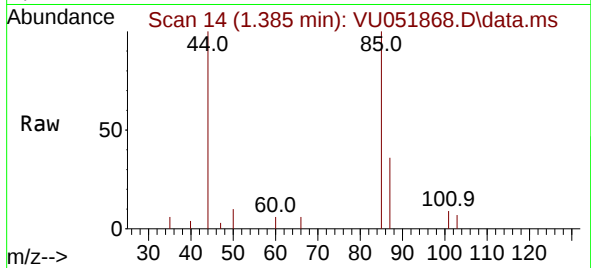
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Dichlorodifluoromethane
Concen: 1.548 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 85 Resp: 457
Ion Ratio Lower Upper
85 100
87 32.6 26.0 39.0

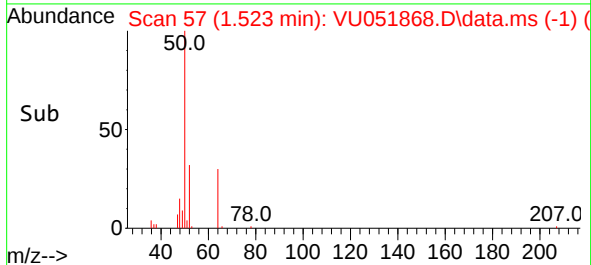
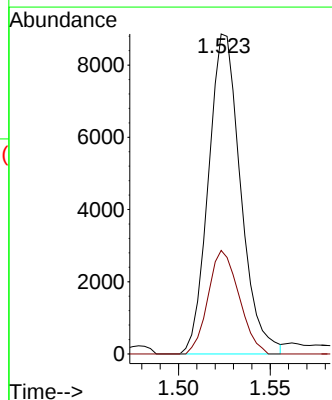
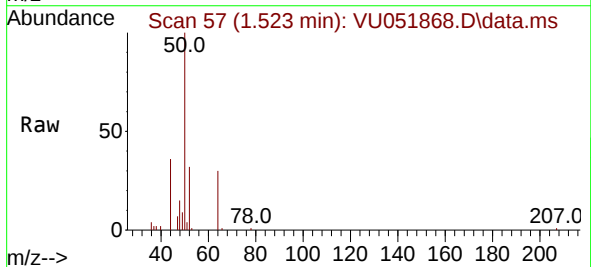
Manual Integrations
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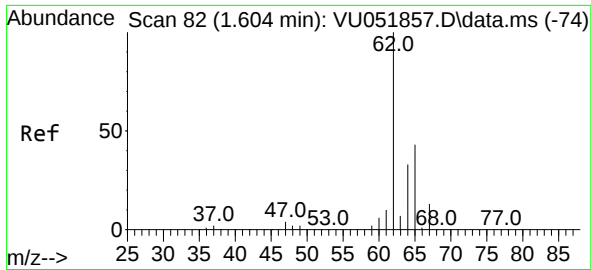
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#3
Chloromethane
Concen: 2.758 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

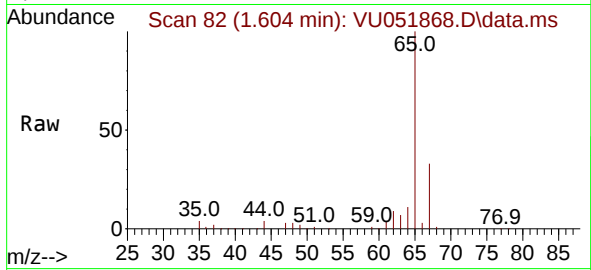
Tgt Ion: 50 Resp: 10828
Ion Ratio Lower Upper
50 100
52 32.4 23.4 43.6





#5
 Vinyl chloride
 Concen: 1.905 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051868.D
 Acq: 15 Nov 2022 18:46

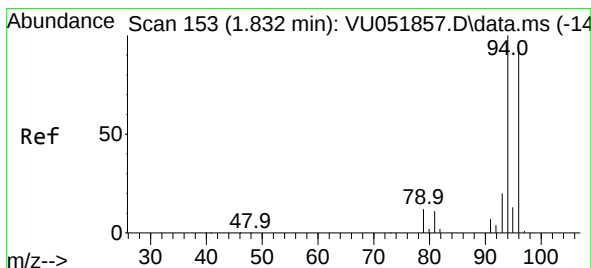
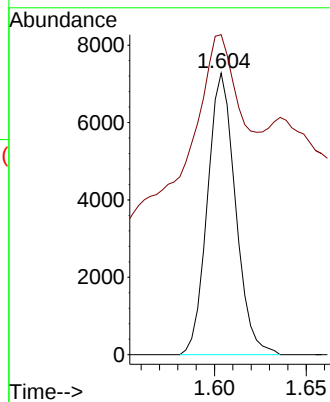
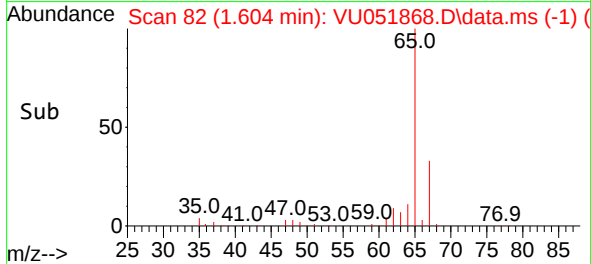
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02



Tgt Ion: 62 Resp: 7758
 Ion Ratio Lower Upper
 62 100
 64 113.6 24.3 45.1

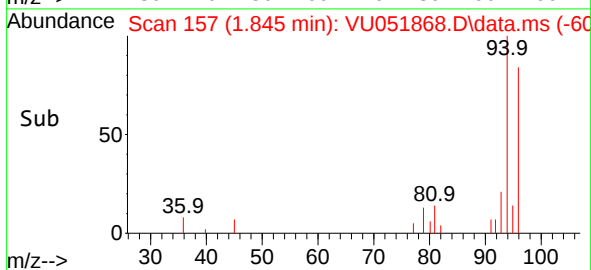
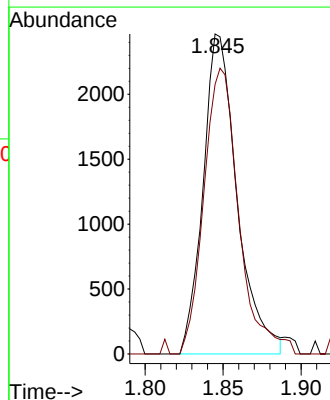
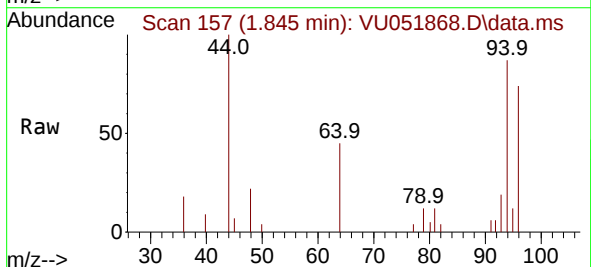
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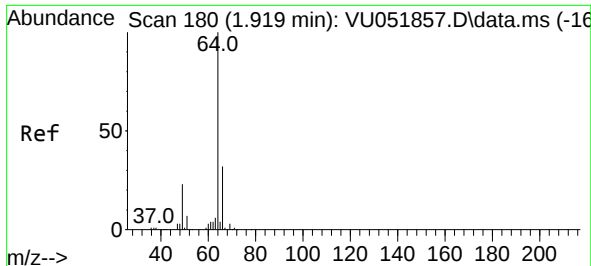
Reviewed By :Krupa Patel 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022



#6
 Bromomethane
 Concen: 2.118 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.012 min
 Lab File: VU051868.D
 Acq: 15 Nov 2022 18:46

Tgt Ion: 94 Resp: 3737
 Ion Ratio Lower Upper
 94 100
 96 84.3 66.1 122.7





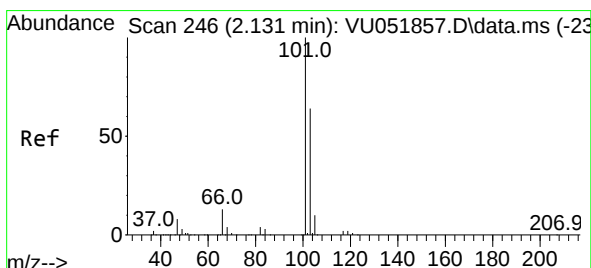
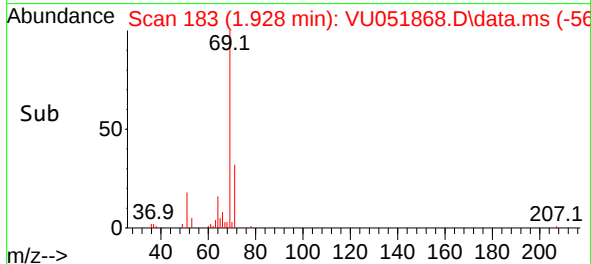
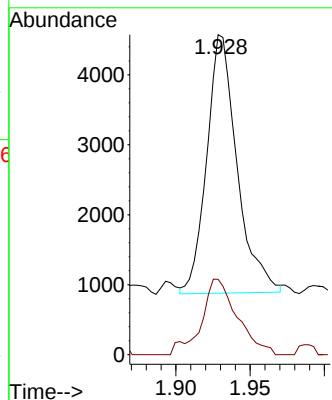
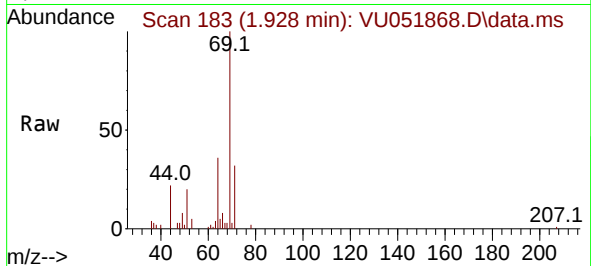
#8
Chloroethane
Concen: 1.983 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 64 Resp: 525
Ion Ratio Lower Upper
64 100
66 23.6 22.4 41.6

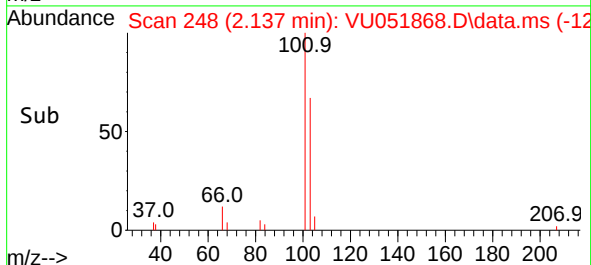
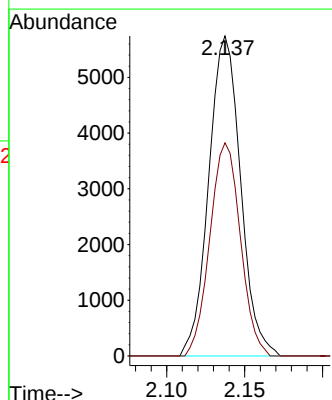
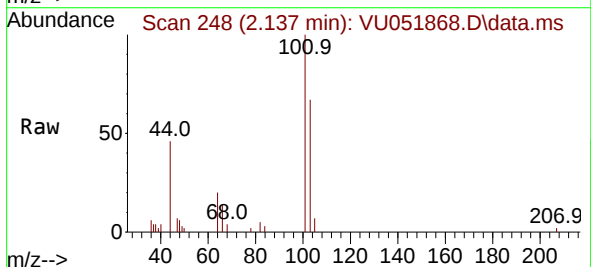
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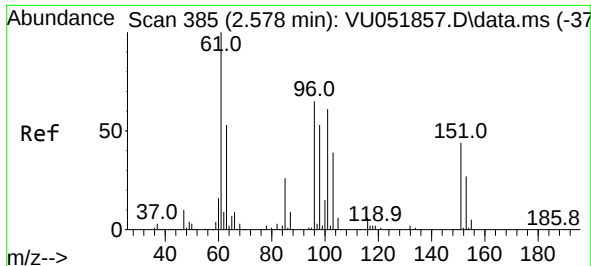
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#9
Trichlorofluoromethane
Concen: 1.673 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.006 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion:101 Resp: 8155
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2





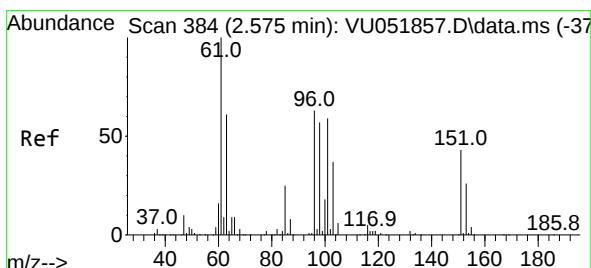
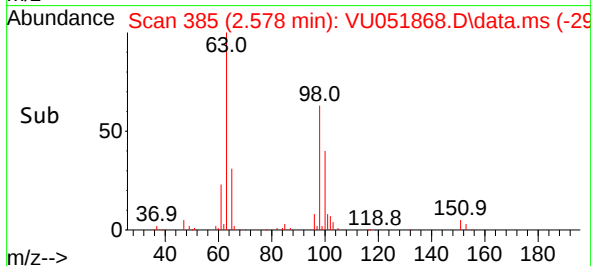
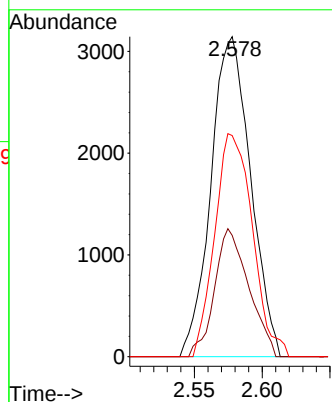
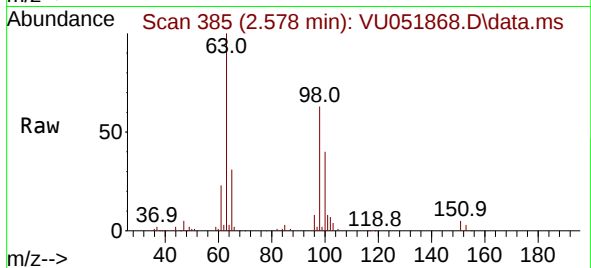
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.082 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:101 Resp: 6390
Ion Ratio Lower Upper
101 100
85 34.5 34.2 51.2
151 66.2 58.3 87.5

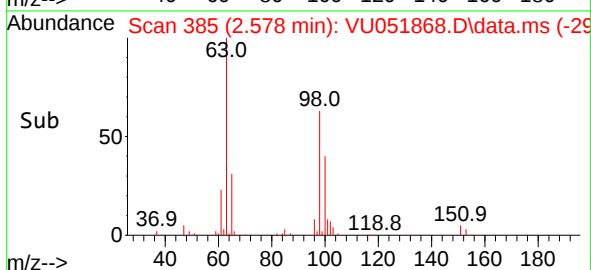
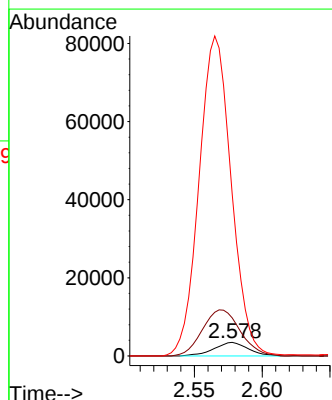
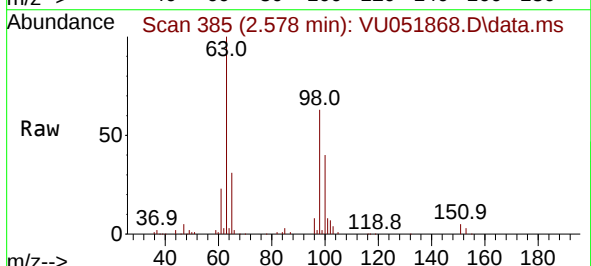
Manual Integrations
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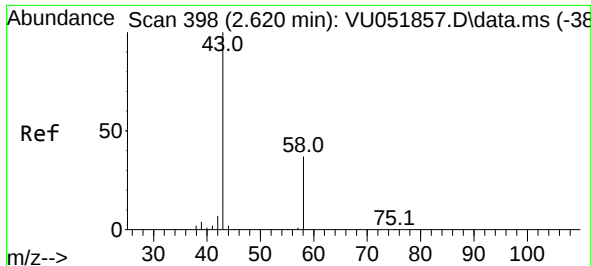
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#12
1,1-Dichloroethene
Concen: 2.128 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 96 Resp: 6106
Ion Ratio Lower Upper
96 100
61 280.4 110.7 205.5#
63 1193.5 68.6 127.4#





#13

Acetone

Concen: 3.814 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 43 Resp: 10969

Ion Ratio Lower Upper

43 100

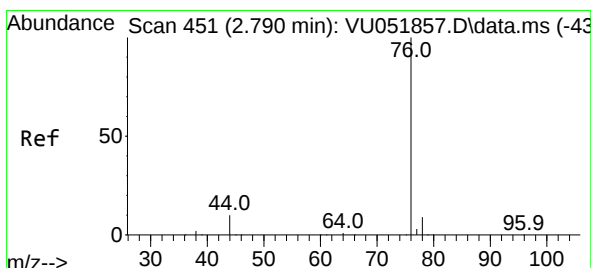
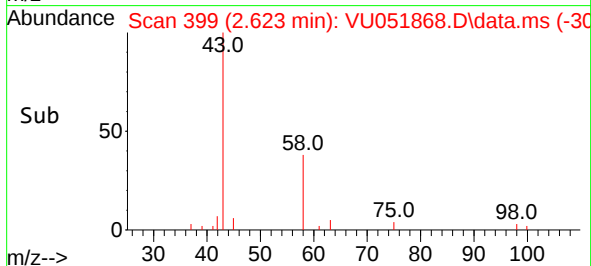
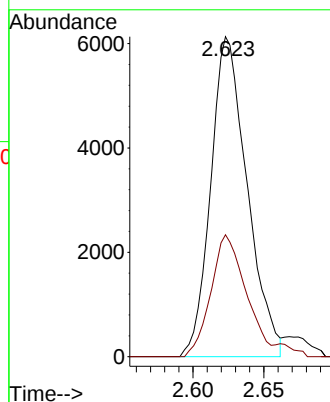
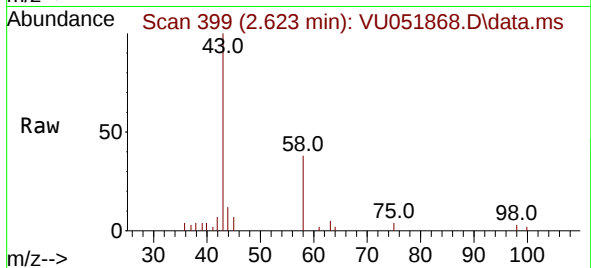
58 36.5 0.0 75.4

Manual Integrations

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Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#14

Carbon disulfide

Concen: 1.883 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051868.D

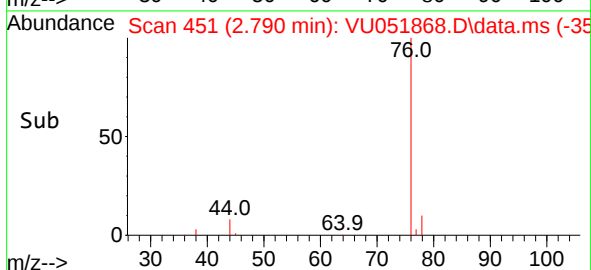
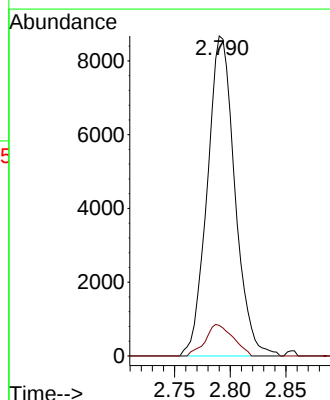
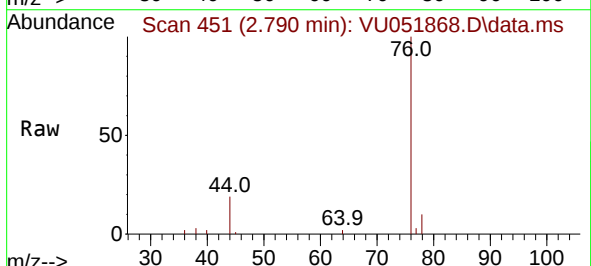
Acq: 15 Nov 2022 18:46

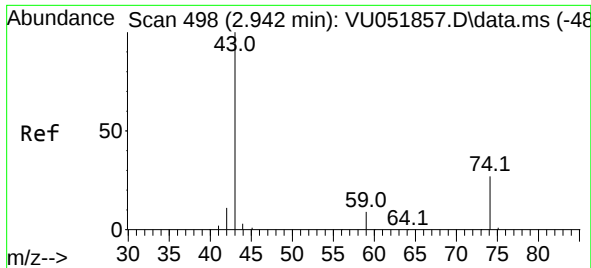
Tgt Ion: 76 Resp: 14966

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





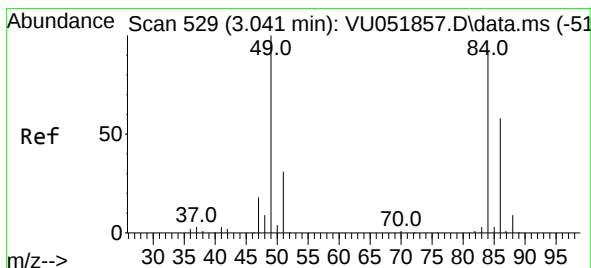
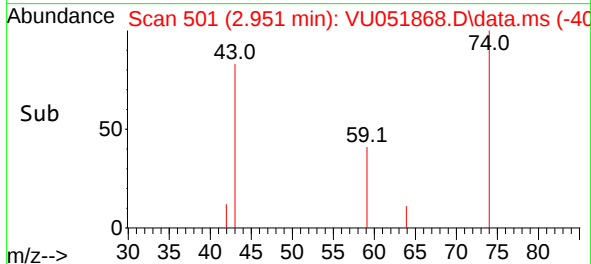
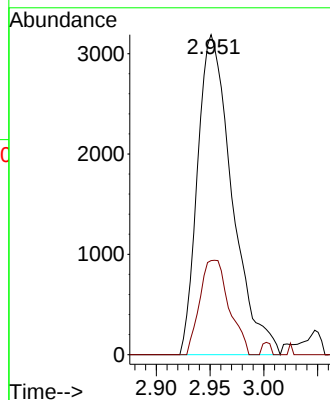
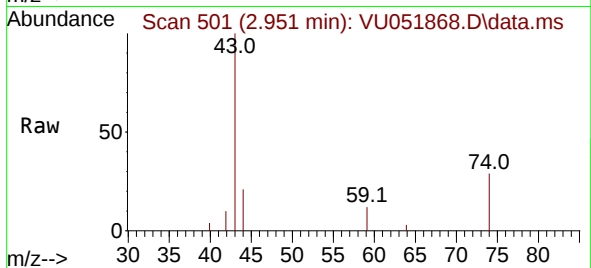
#15
Methyl Acetate
Concen: 1.813 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.009 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 7108
Ion Ratio Lower Upper
43 100
74 25.0 21.8 32.8

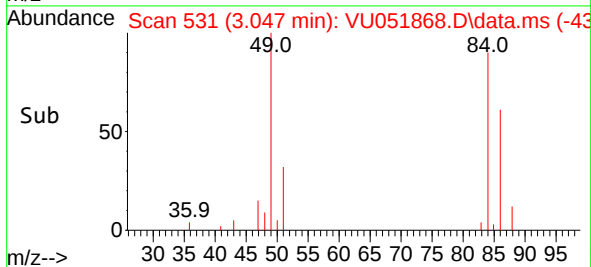
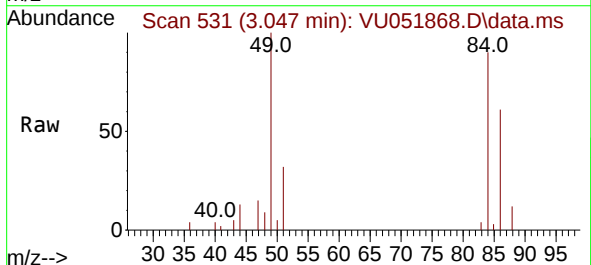
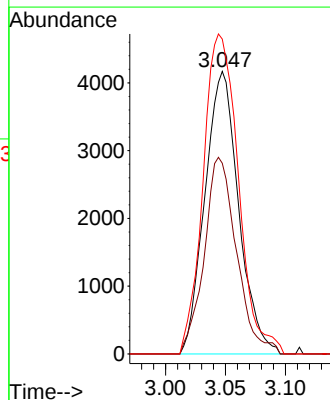
Manual Integrations
APPROVED

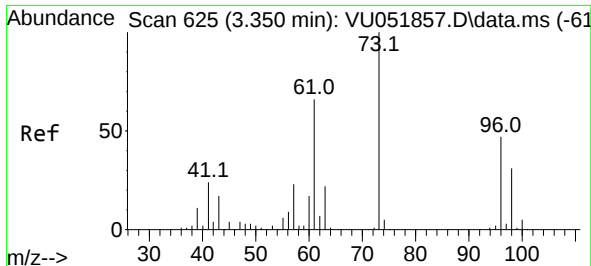
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#16
Methylene chloride
Concen: 1.779 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 84 Resp: 8151
Ion Ratio Lower Upper
84 100
86 67.5 44.7 82.9
49 111.5 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 1.699 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 96 Resp: 525

Ion Ratio Lower Upper

96 100

61 130.4 98.3 182.7

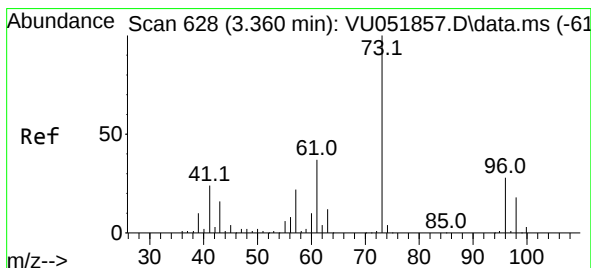
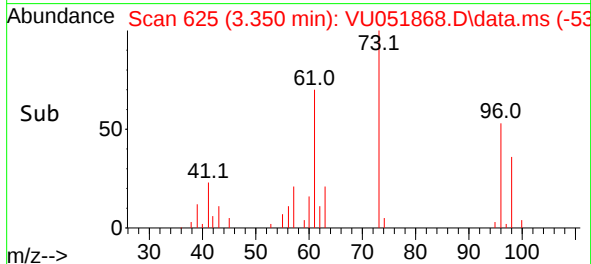
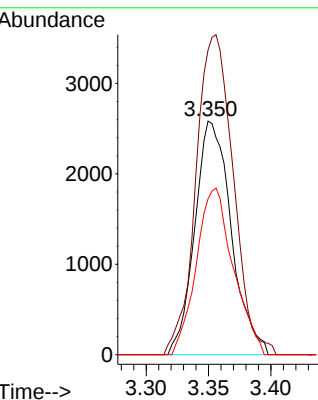
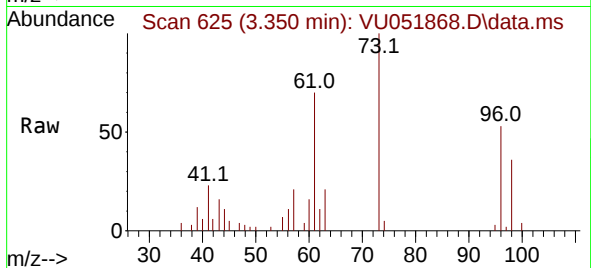
98 66.7 45.5 84.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#18

Methyl tert-butyl Ether

Concen: 1.619 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

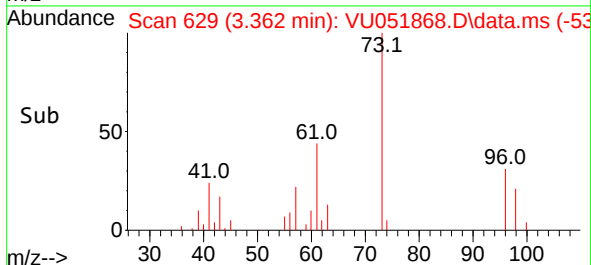
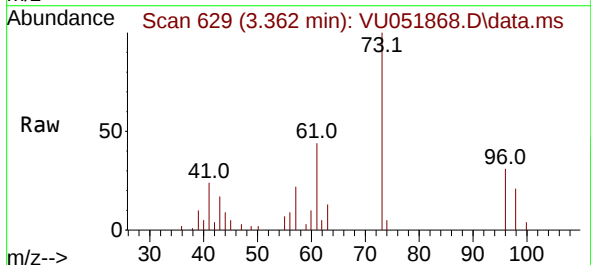
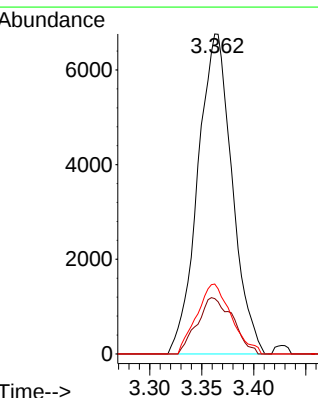
Tgt Ion: 73 Resp: 15493

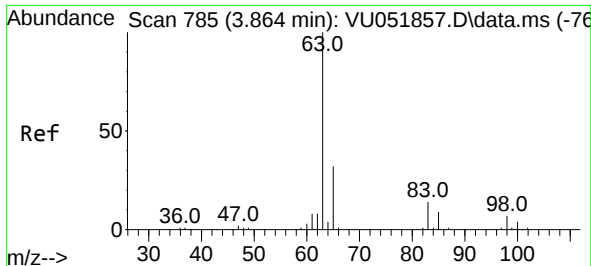
Ion Ratio Lower Upper

73 100

43 13.2 13.4 20.0#

57 22.0 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.834 ug/L m

RT: 3.867 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 63 Resp: 11540

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

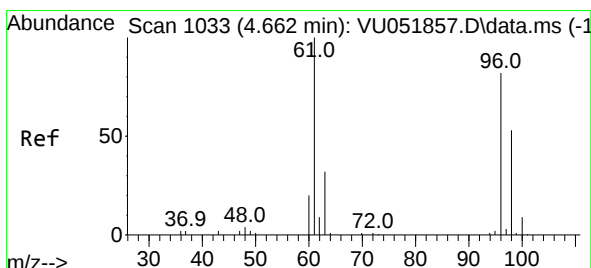
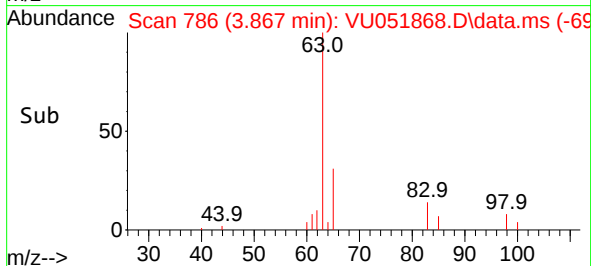
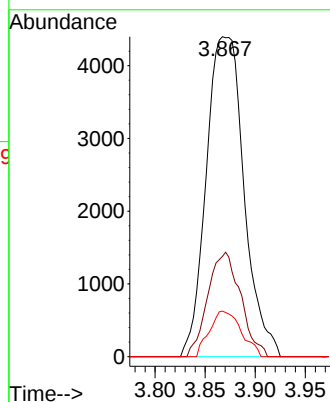
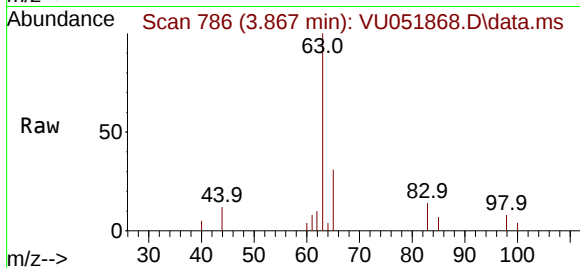
83 14.3 9.6 17.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#20

cis-1,2-Dichloroethene

Concen: 1.694 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

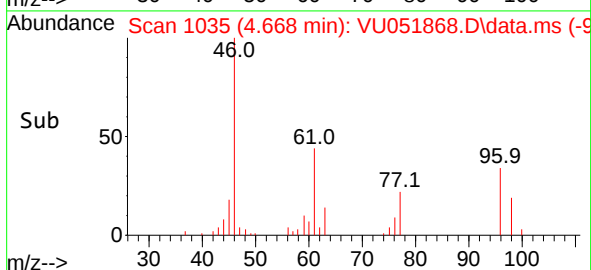
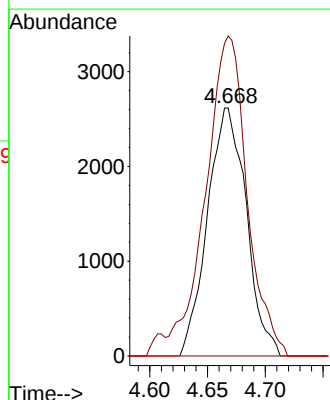
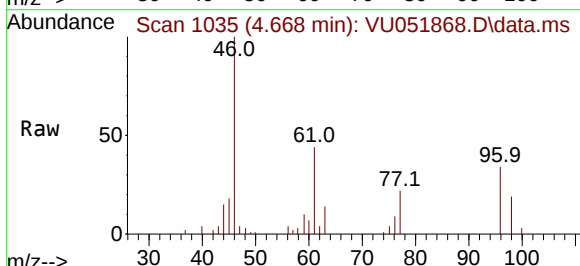
Tgt Ion: 96 Resp: 6114

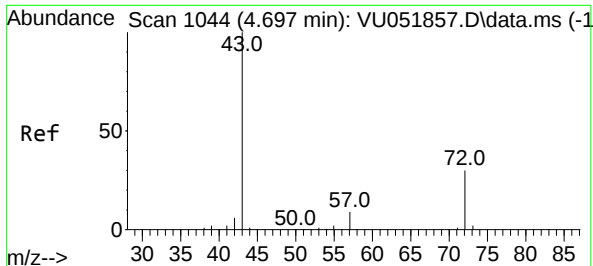
Ion Ratio Lower Upper

96 100

61 129.0 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.537 ug/L m

RT: 4.713 min Scan# 1148

Delta R.T. 0.016 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

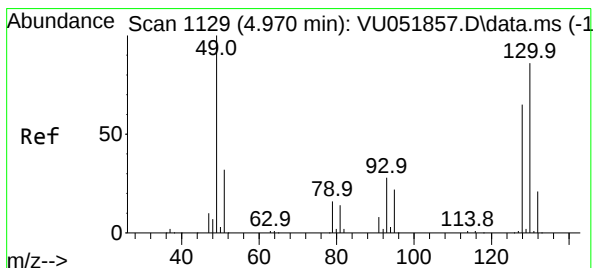
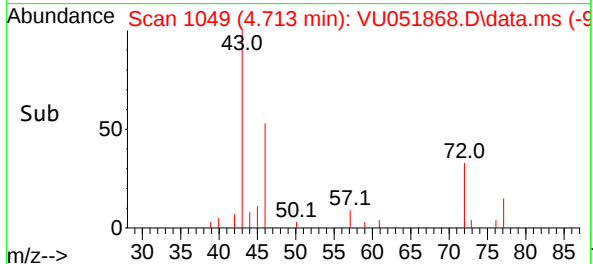
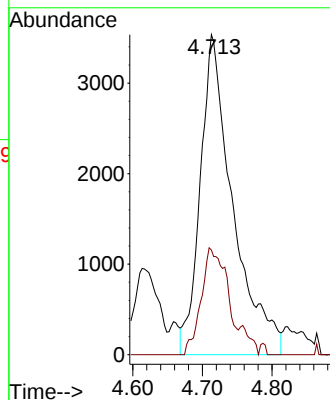
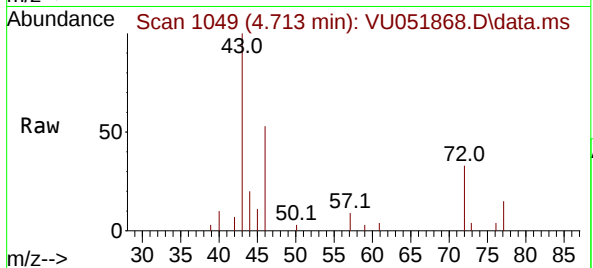
72 15.5 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#23

Bromochloromethane

Concen: 1.647 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Tgt Ion:128 Resp: 3281

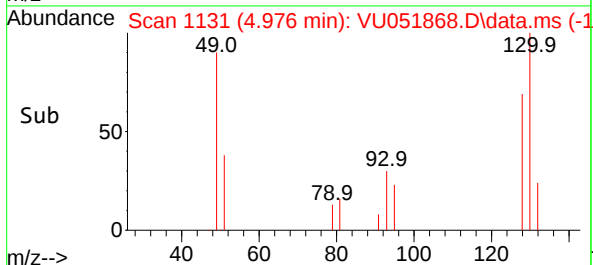
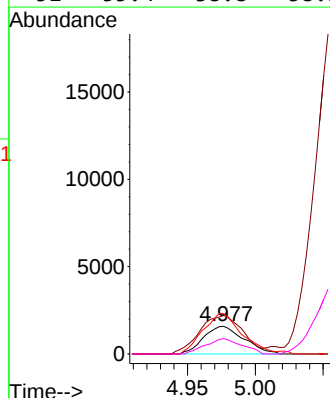
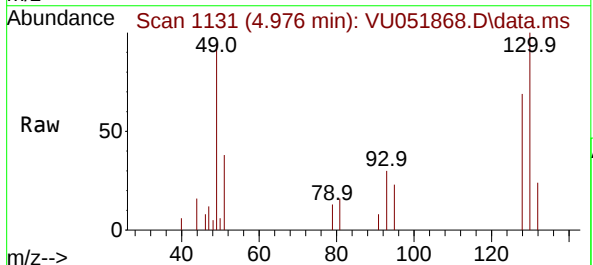
Ion Ratio Lower Upper

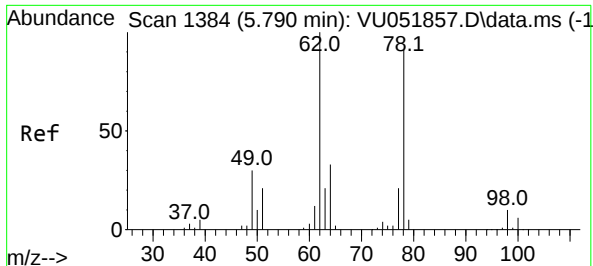
128 100

49 138.3 107.2 199.0

130 145.6 92.5 171.7

51 55.4 38.8 58.2





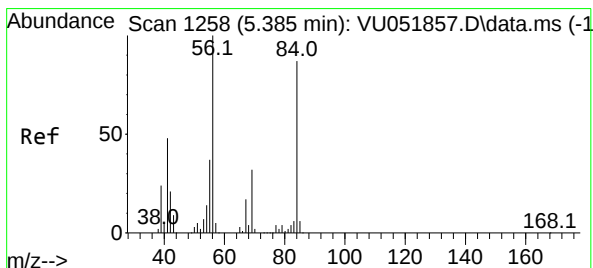
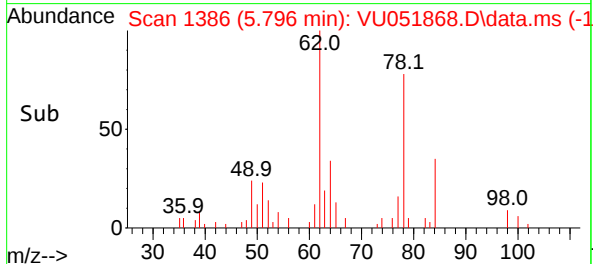
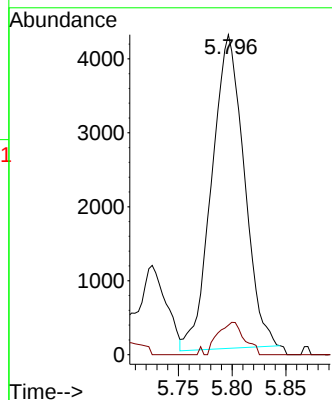
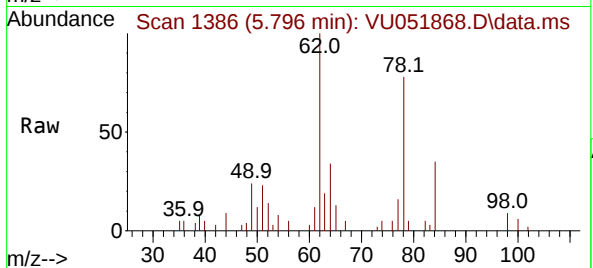
#27
1,2-Dichloroethane
Concen: 1.830 ug/L
RT: 5.796 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 62 Resp: 888
Ion Ratio Lower Upper
62 100
98 9.2 8.1 12.1

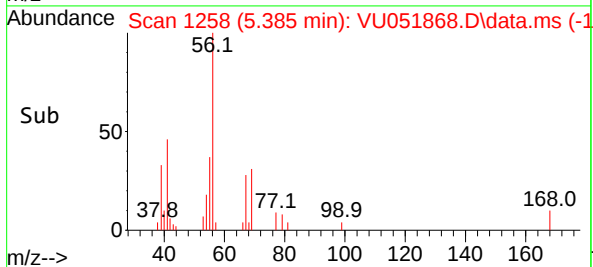
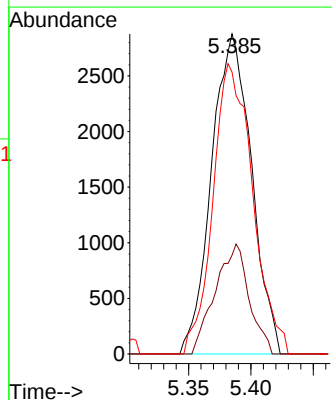
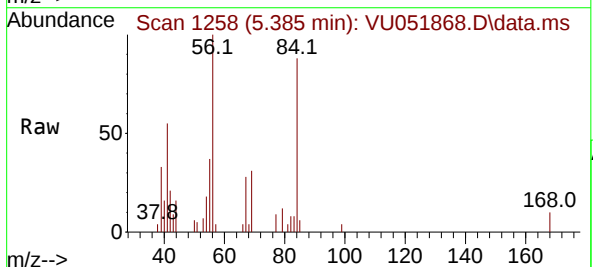
Manual Integrations
APPROVED

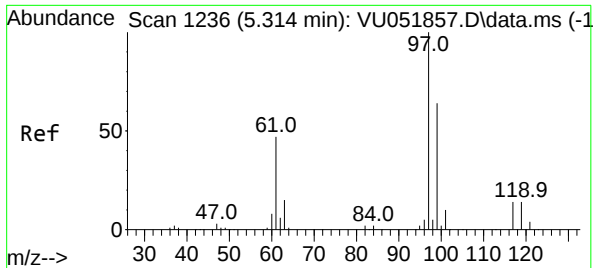
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#29
Cyclohexane
Concen: 1.575 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 56 Resp: 6414
Ion Ratio Lower Upper
56 100
69 29.2 25.4 38.2
84 89.8 71.4 107.0





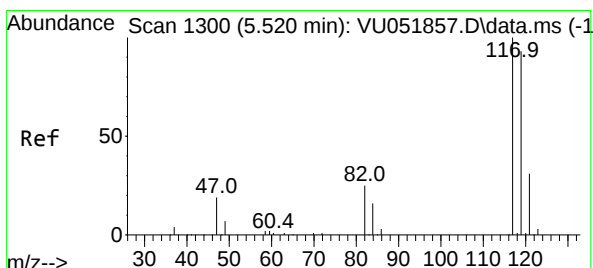
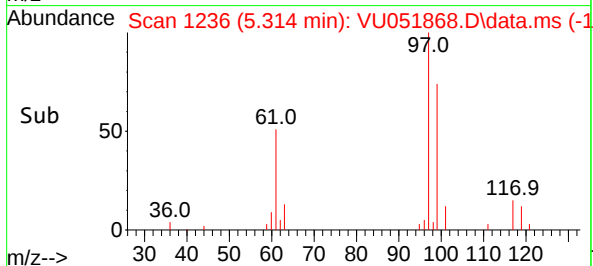
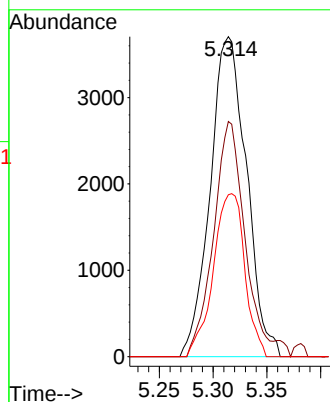
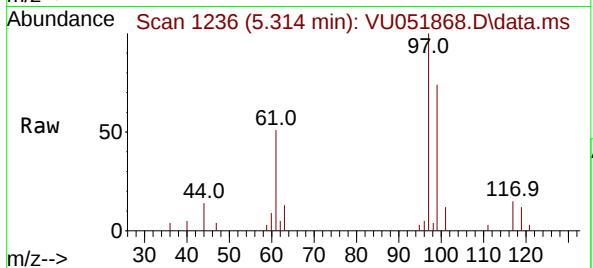
#30
1,1,1-Trichloroethane
Concen: 1.802 ug/L
RT: 5.314 min Scan# 1302
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 97 Resp: 8698
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 44.2 37.4 56.2

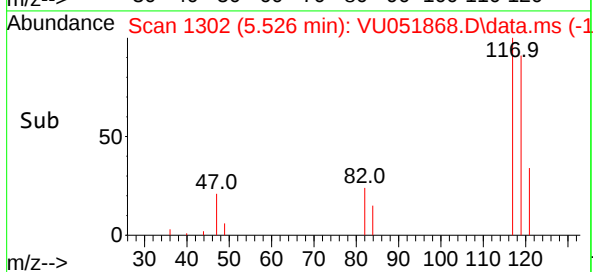
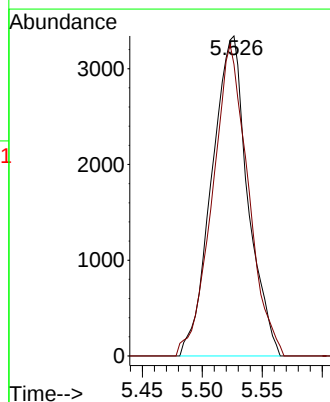
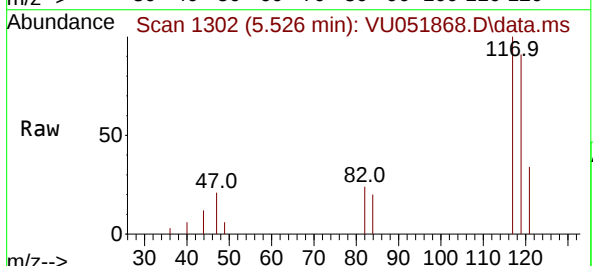
Manual Integrations
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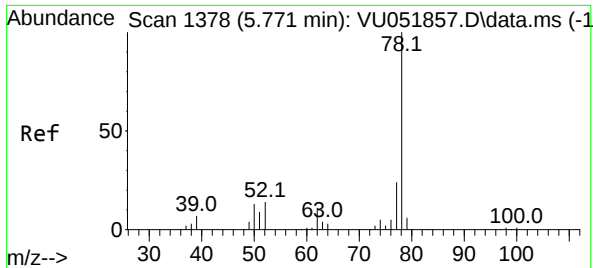
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#31
Carbon tetrachloride
Concen: 1.734 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion:117 Resp: 6998
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4





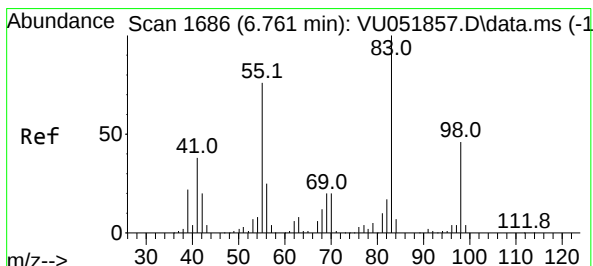
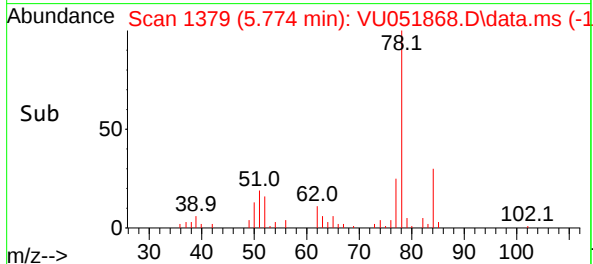
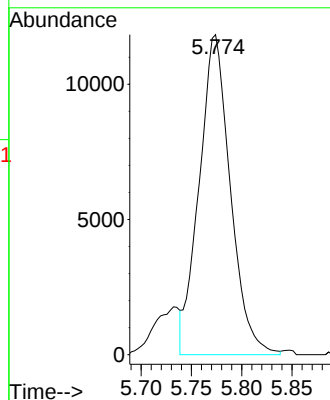
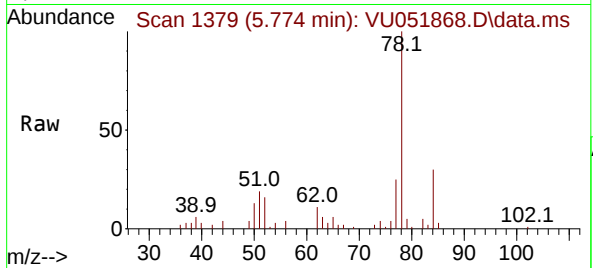
#33
Benzene
Concen: 1.858 ug/L
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 78 Resp: 2551

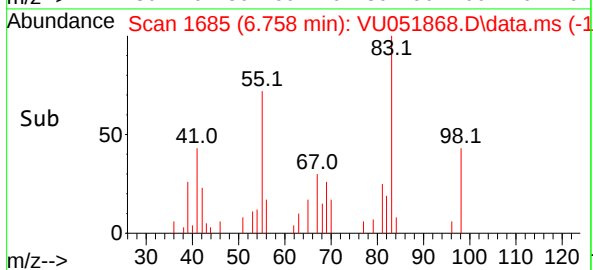
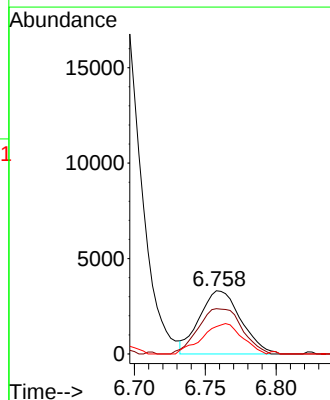
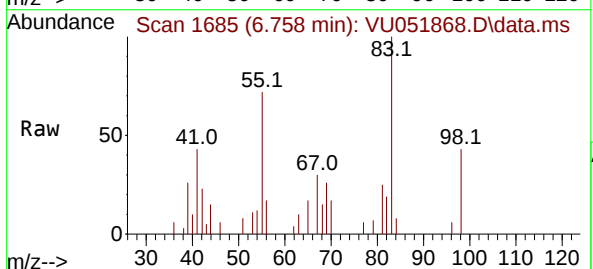
Manual Integrations
APPROVED

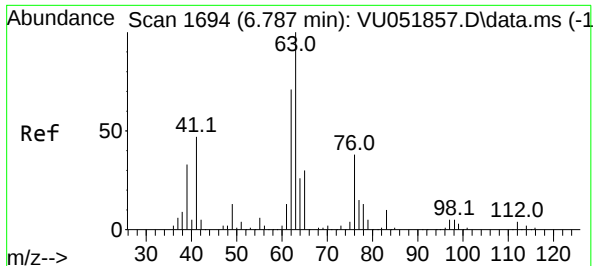
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#35
Methylcyclohexane
Concen: 1.529 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.004 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 83 Resp: 6744
Ion Ratio Lower Upper
83 100
55 75.5 60.0 90.0
98 45.8 35.8 53.8





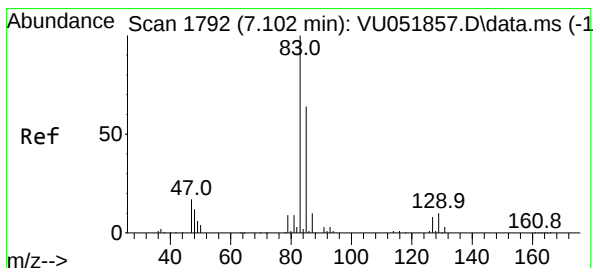
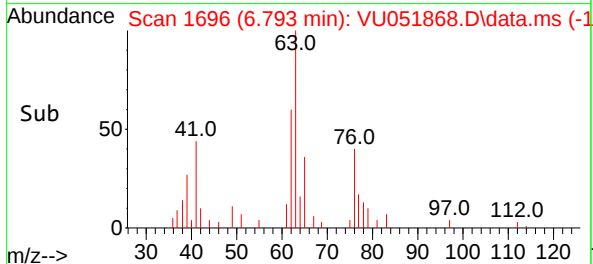
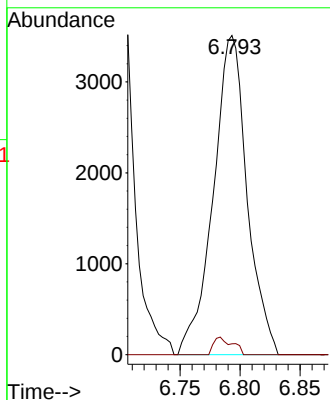
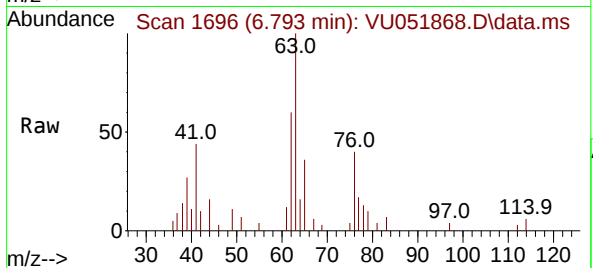
#37
1,2-Dichloropropane
Concen: 1.771 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.006 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 63 Resp: 688
Ion Ratio Lower Upper
63 100
112 2.1 3.0 4.6

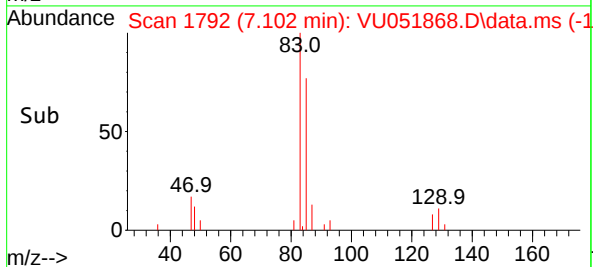
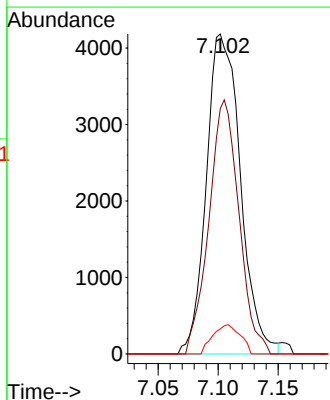
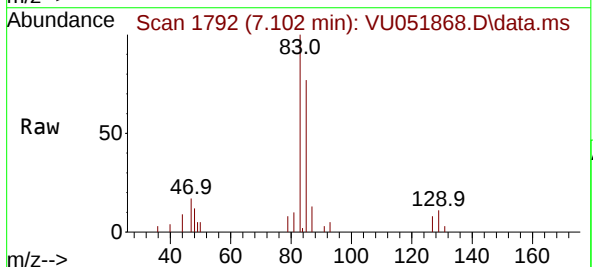
Manual Integrations
APPROVED

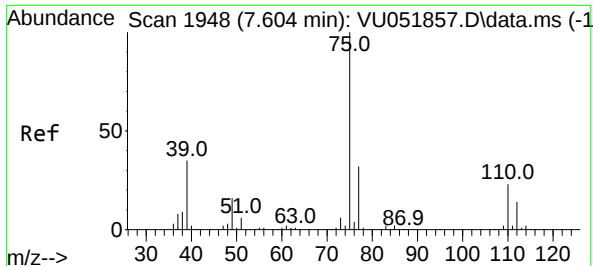
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#38
Bromodichloromethane
Concen: 1.699 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 83 Resp: 8267
Ion Ratio Lower Upper
83 100
85 76.7 44.6 82.8
127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 1.677 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 75 Resp: 853

Ion Ratio Lower Upper

75 100

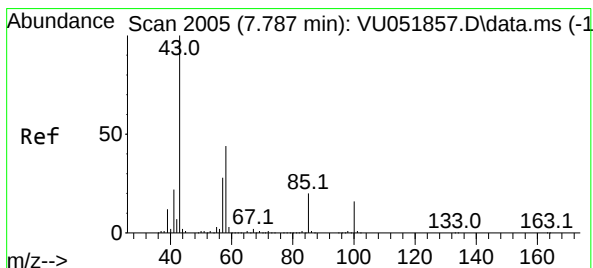
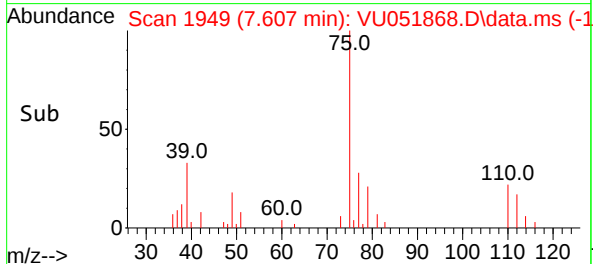
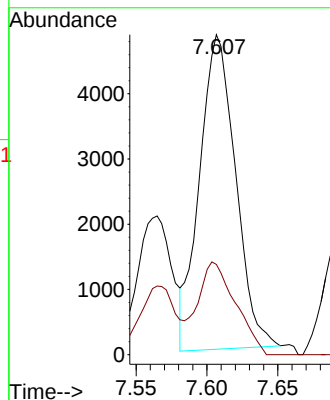
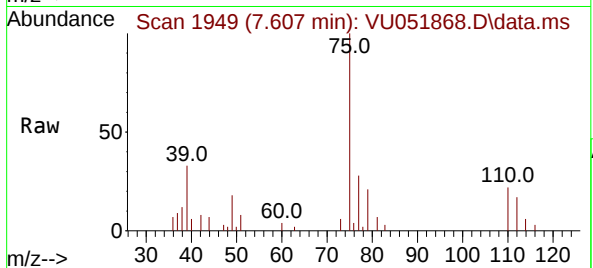
77 28.2 22.5 41.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#40

4-Methyl-2-pentanone

Concen: 3.026 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

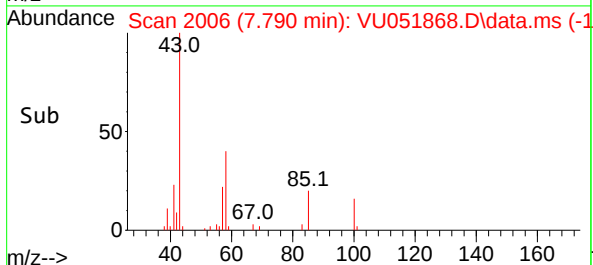
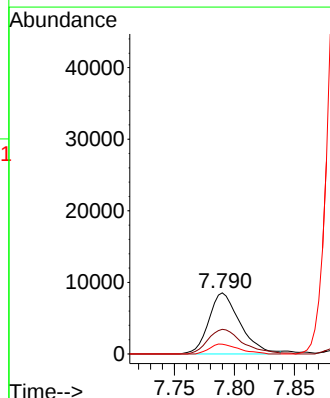
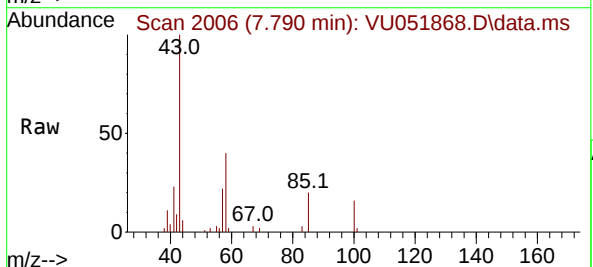
Tgt Ion: 43 Resp: 15497

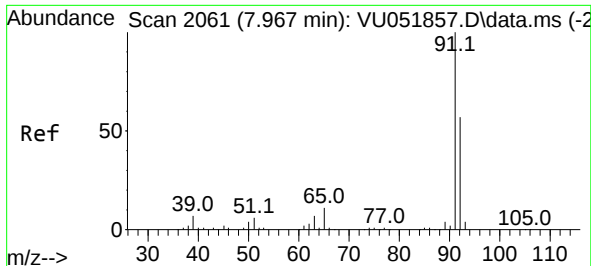
Ion Ratio Lower Upper

43 100

58 44.5 35.4 53.2

100 15.2 13.4 20.0





#42

Toluene

Concen: 1.799 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 91 Resp: 25410

Ion Ratio Lower Upper

91 100

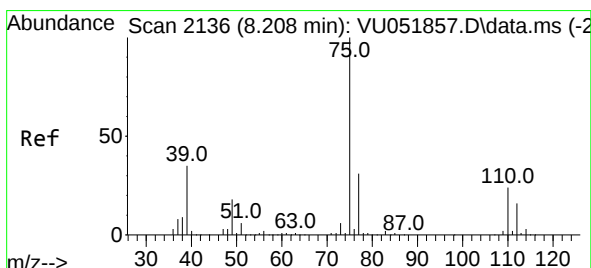
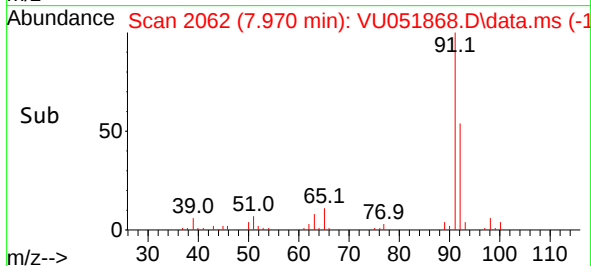
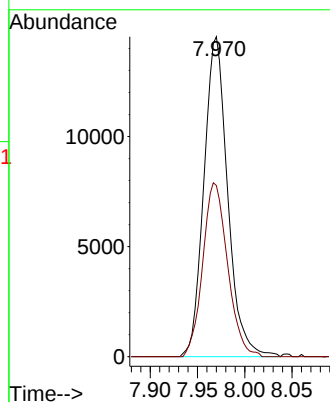
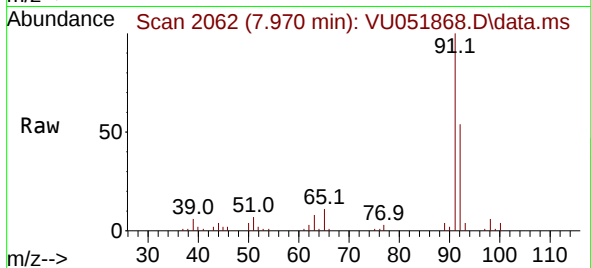
92 53.5 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#44

trans-1,3-Dichloropropene

Concen: 1.594 ug/L m

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051868.D

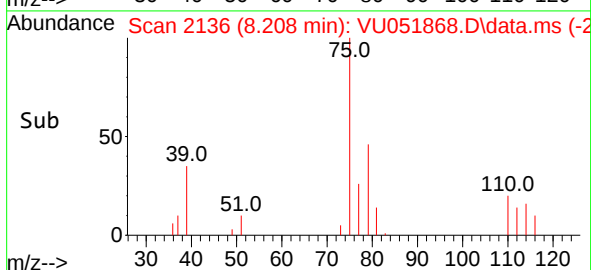
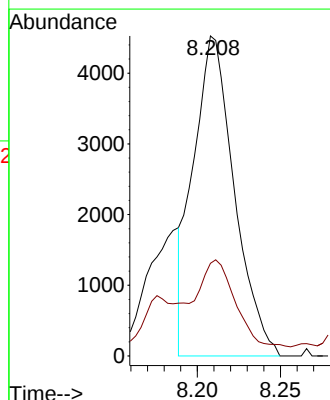
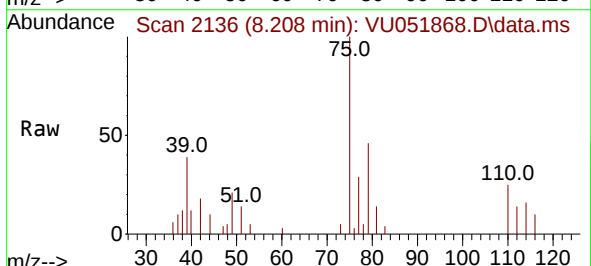
Acq: 15 Nov 2022 18:46

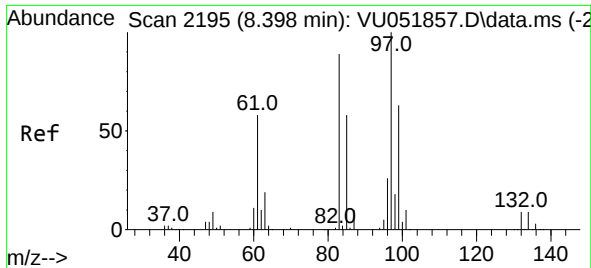
Tgt Ion: 75 Resp: 7769

Ion Ratio Lower Upper

75 100

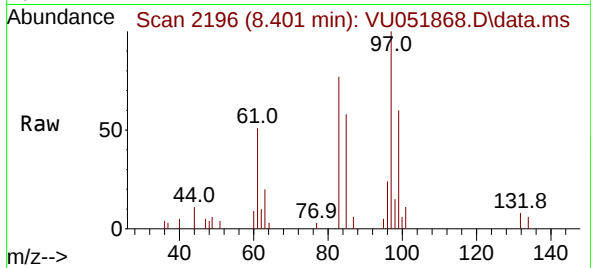
77 29.0 21.8 40.6





#45
1,1,2-Trichloroethane
Concen: 1.872 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

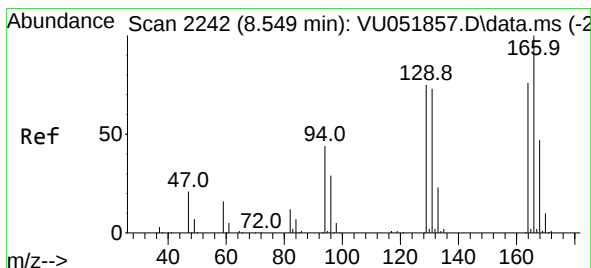
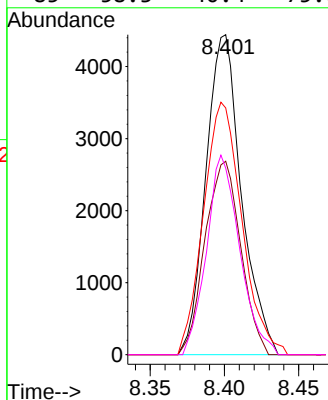
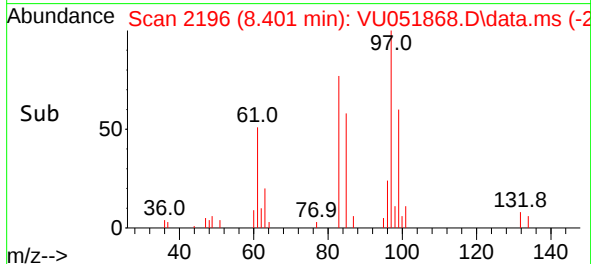
Instrument :
MSVOA_U
ClientSampleId :
MDL02



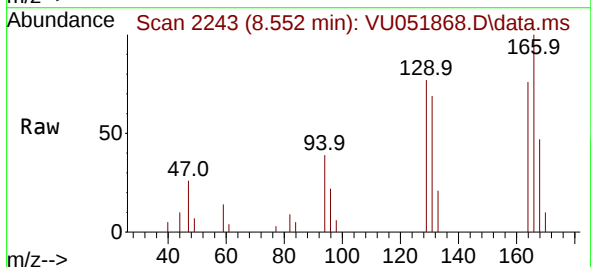
Tgt Ion:	97	Resp:	7390
Ion Ratio	100	Lower	Upper
97	100		
99	60.5	44.3	82.3
83	77.1	62.3	115.7
85	58.3	40.4	75.0

Manual Integrations
APPROVED

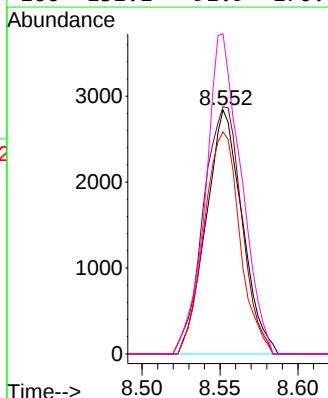
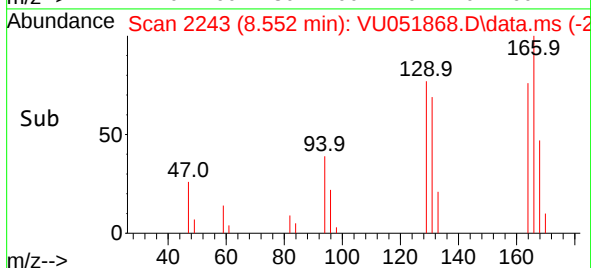
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022

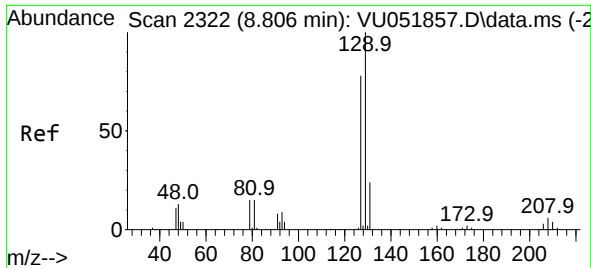


#46
Tetrachloroethene
Concen: 1.763 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46



Tgt Ion:	164	Resp:	4581
Ion Ratio	100	Lower	Upper
164	100		
129	101.3	68.5	127.1
131	91.0	66.6	123.8
166	131.1	91.9	170.7





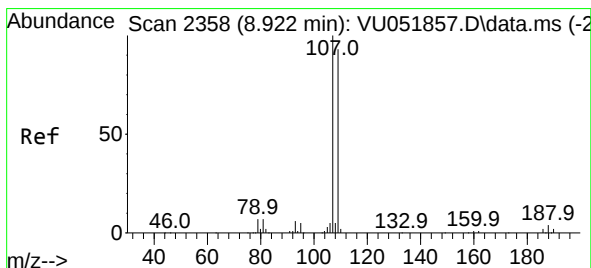
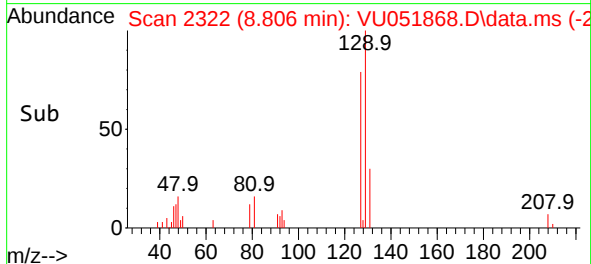
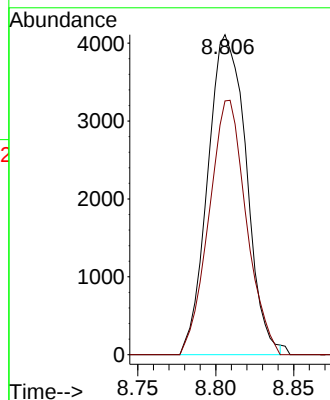
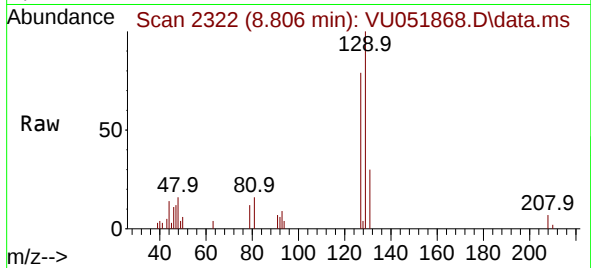
#49
Dibromochloromethane
Concen: 1.729 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:129 Resp: 7044
Ion Ratio Lower Upper
129 100
127 79.3 54.4 101.0

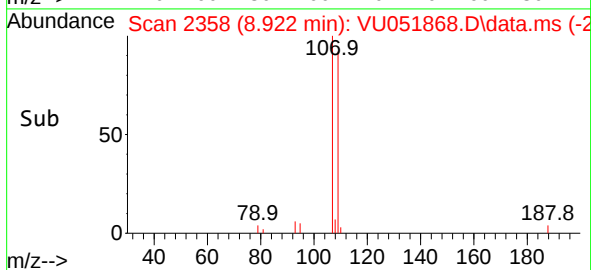
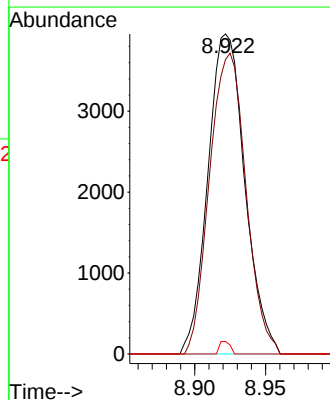
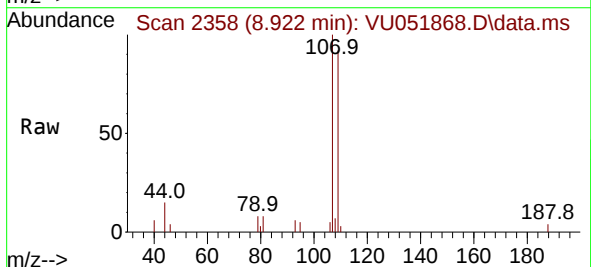
Manual Integrations
APPROVED

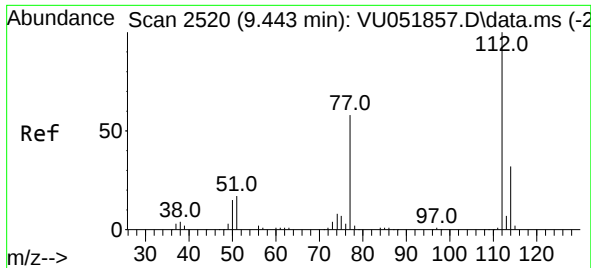
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#50
1,2-Dibromoethane
Concen: 1.803 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion:107 Resp: 7171
Ion Ratio Lower Upper
107 100
109 92.0 65.0 120.6
188 3.9 2.9 4.3





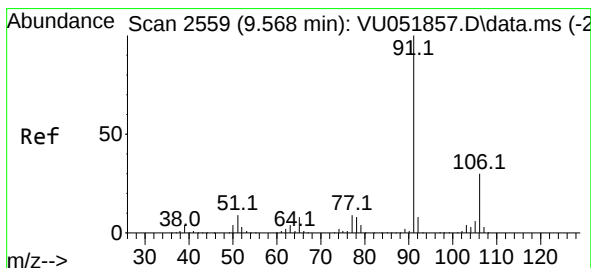
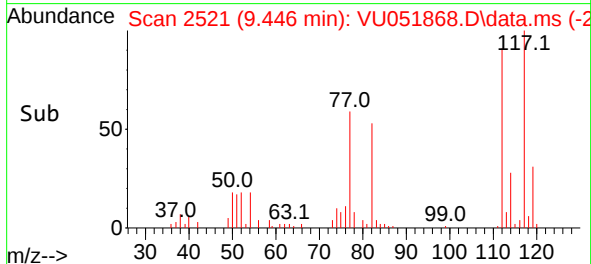
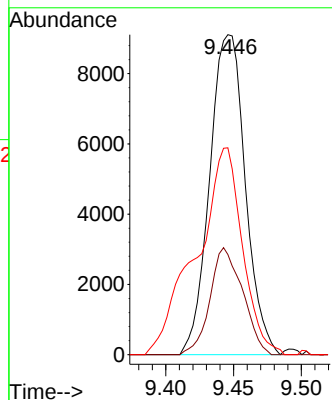
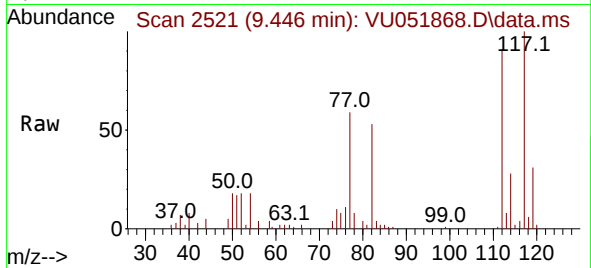
#51
Chlorobenzene
Concen: 1.728 ug/L
RT: 9.446 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:112 Resp: 16670
Ion Ratio Lower Upper
112 100
114 31.3 22.2 41.2
77 64.7 46.7 70.1

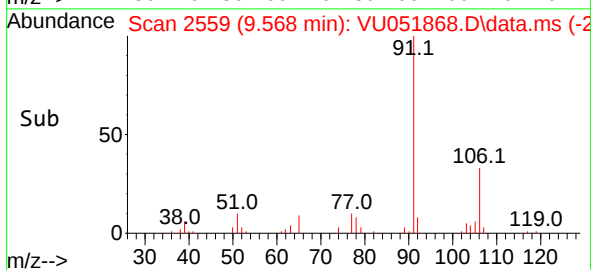
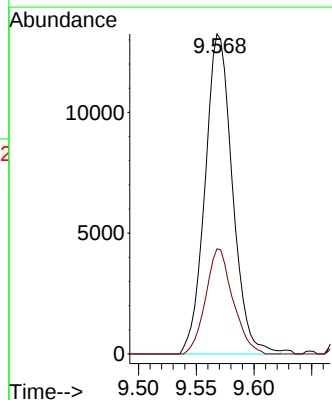
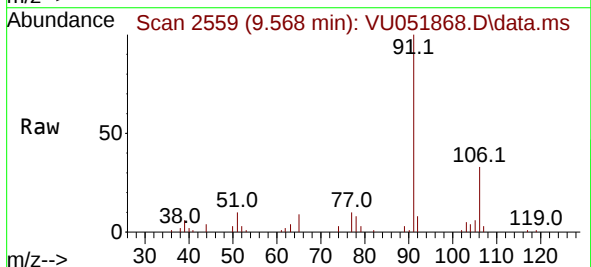
Manual Integrations
APPROVED

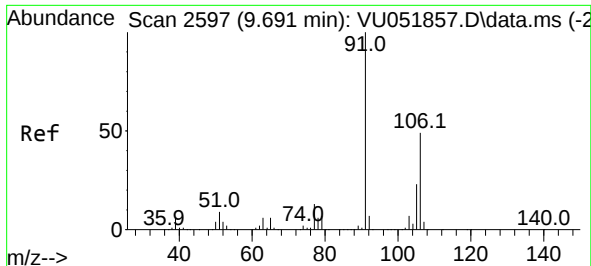
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#52
Ethylbenzene
Concen: 1.511 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 91 Resp: 21845
Ion Ratio Lower Upper
91 100
106 32.9 21.3 39.6





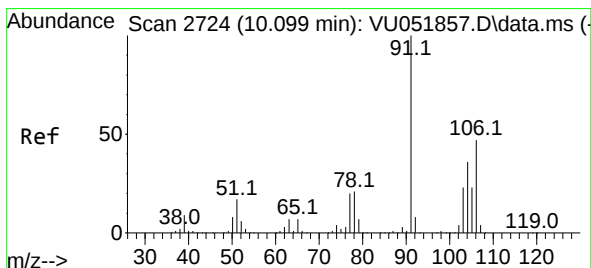
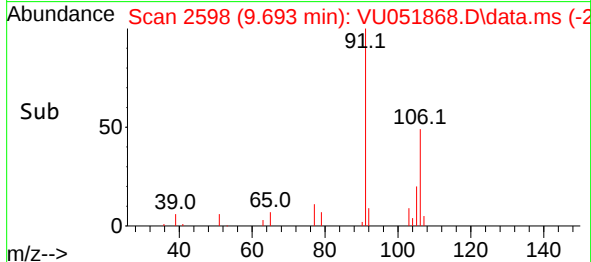
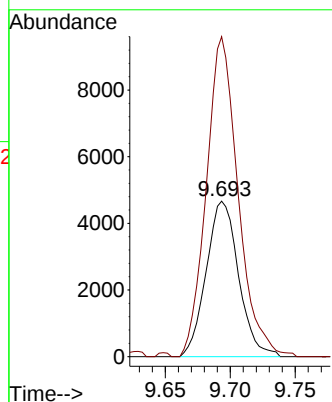
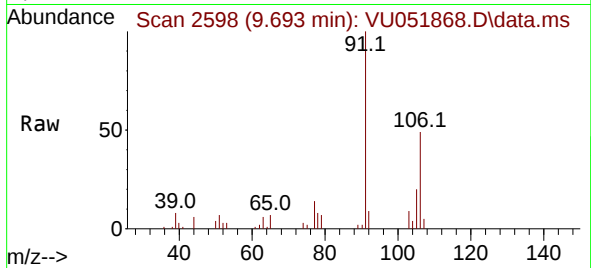
#53
m,p-Xylene
Concen: 1.444 ug/L
RT: 9.693 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:106 Resp: 808
Ion Ratio Lower Upper
106 100
91 205.9 141.7 263.3

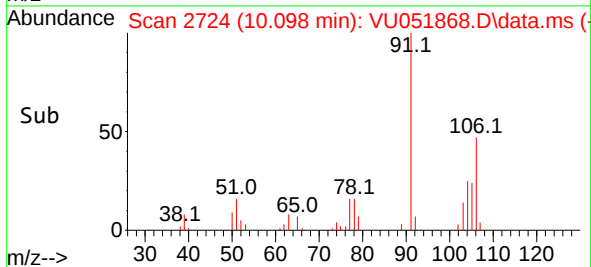
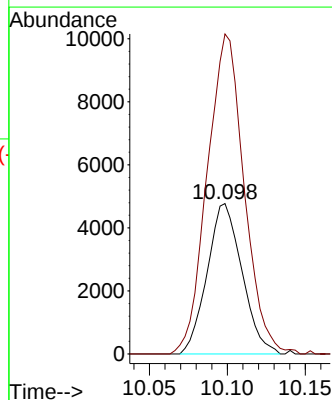
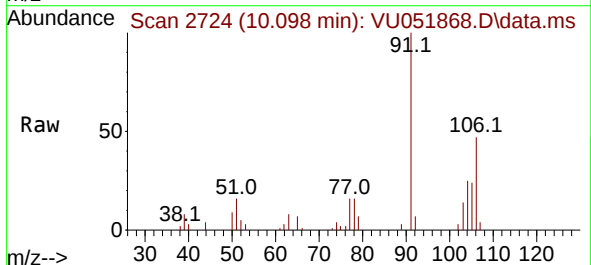
Manual Integrations
APPROVED

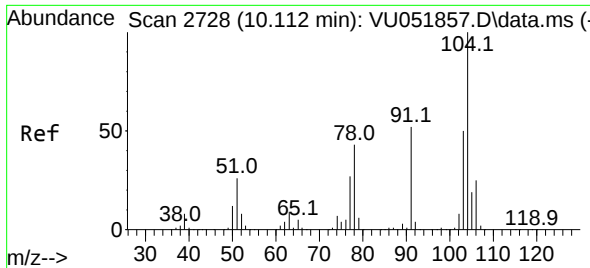
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#54
o-Xylene
Concen: 1.304 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion:106 Resp: 7427
Ion Ratio Lower Upper
106 100
91 212.8 149.7 278.1





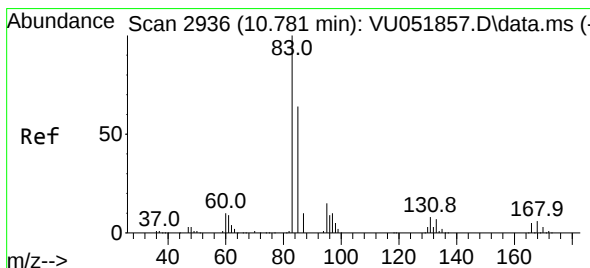
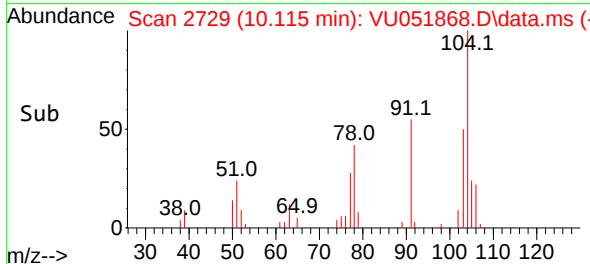
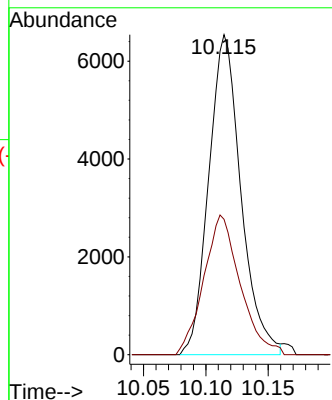
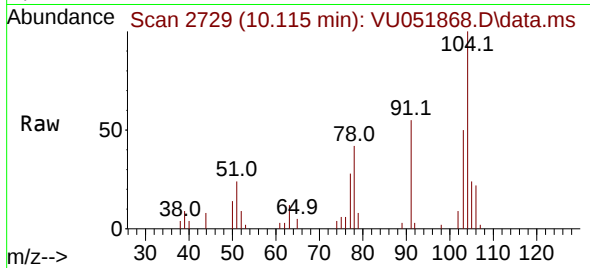
#55
Styrene
Concen: 1.198 ug/L
RT: 10.115 min Scan# 2176
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:104 Resp: 11769
Ion Ratio Lower Upper
104 100
78 42.3 30.3 56.3

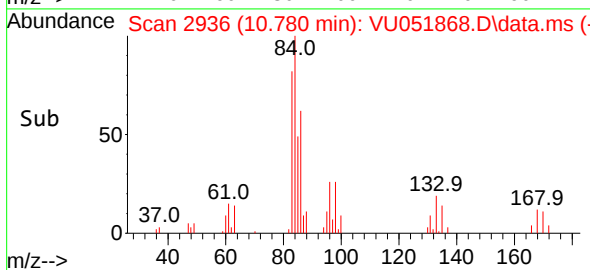
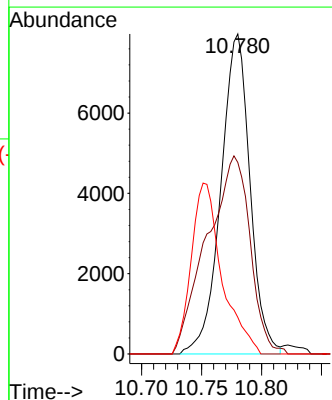
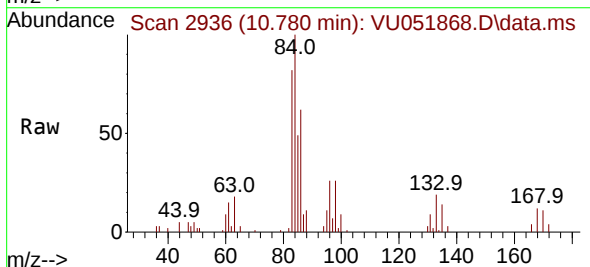
Manual Integrations
APPROVED

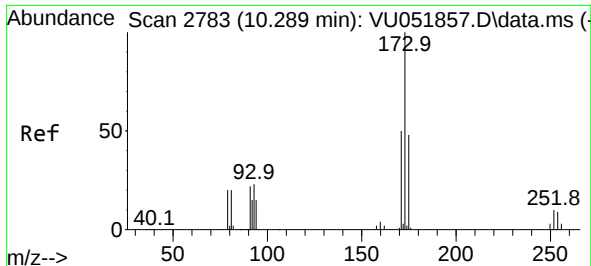
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#57
1,1,2,2-Tetrachloroethane
Concen: 1.802 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

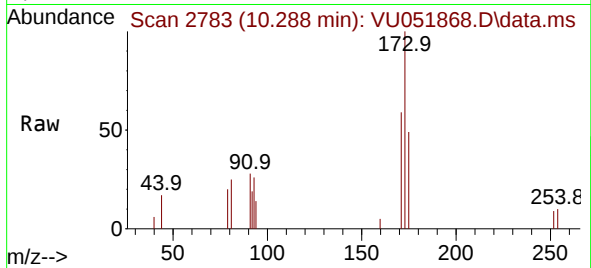
Tgt Ion: 83 Resp: 13459
Ion Ratio Lower Upper
83 100
85 59.8 44.9 83.3
131 11.4 6.8 10.2#





#59
Bromoform
Concen: 1.842 ug/L
RT: 10.288 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

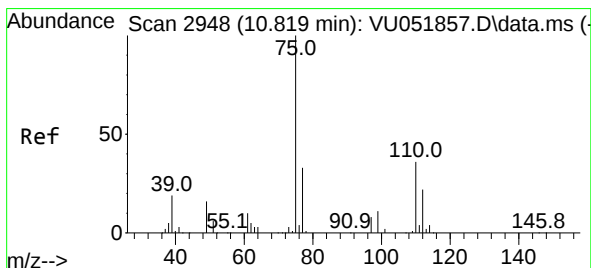
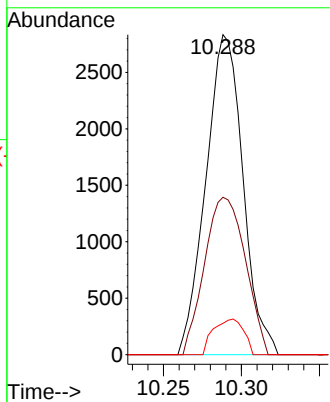
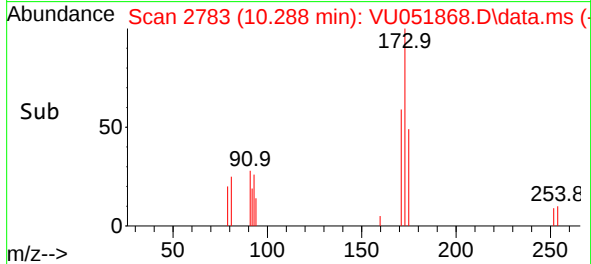
Instrument :
MSVOA_U
ClientSampleId :
MDL02



Tgt Ion:173 Resp: 4680
Ion Ratio Lower Upper
173 100
175 54.1 38.9 58.3
254 9.1 7.4 11.2

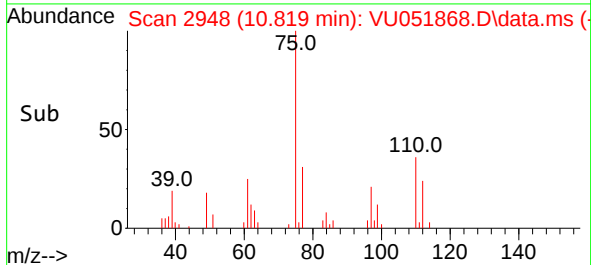
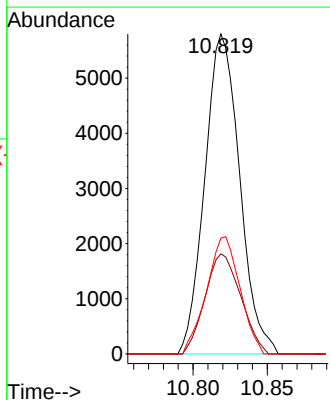
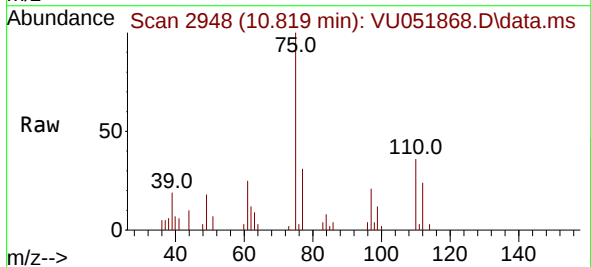
Manual Integrations
APPROVED

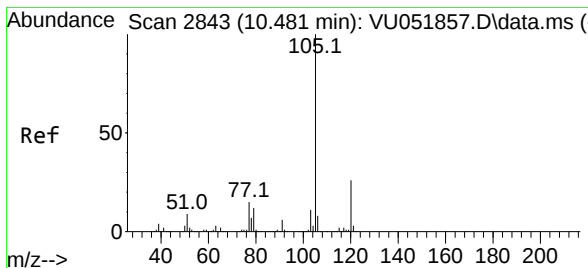
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#60
1,2,3-Trichloropropane
Concen: 2.109 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion: 75 Resp: 9468
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4
110 35.0 29.0 43.4





#61

Isopropylbenzene

Concen: 1.582 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

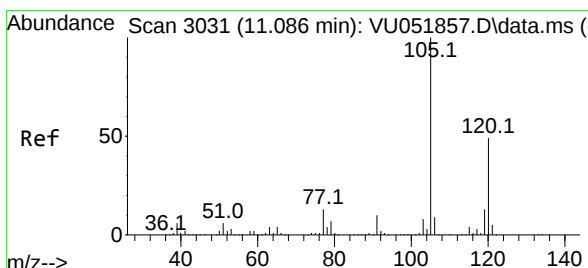
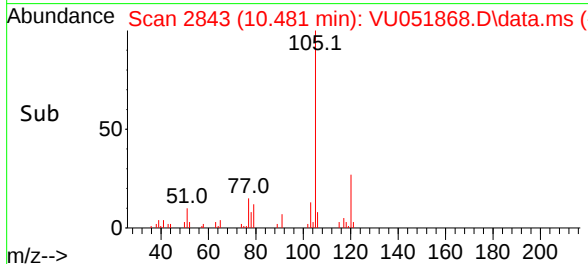
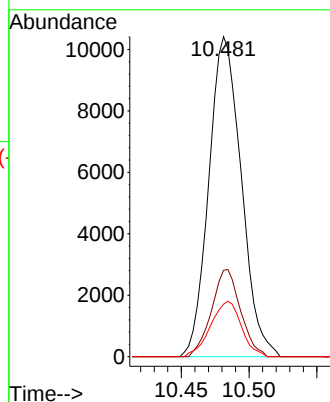
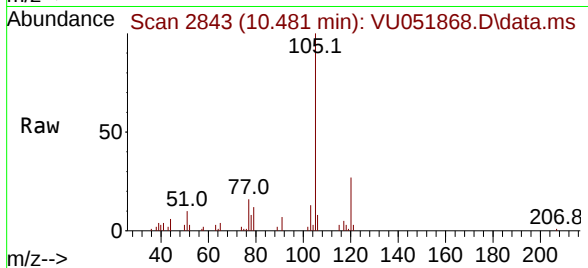
Tgt Ion:	105	Resp:	17350
Ion Ratio	Lower	Upper	
105	100		
120	24.3	21.1	31.7
77	16.4	12.2	18.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#62

1,3,5-Trimethylbenzene

Concen: 1.446 ug/L

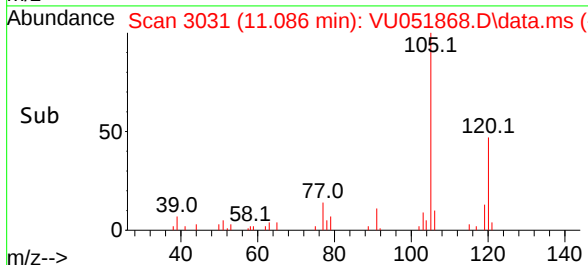
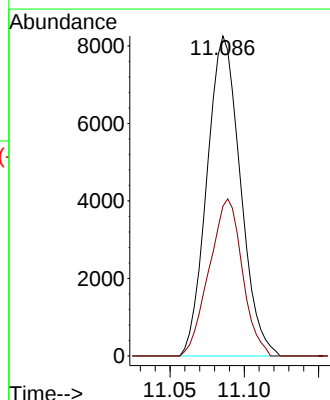
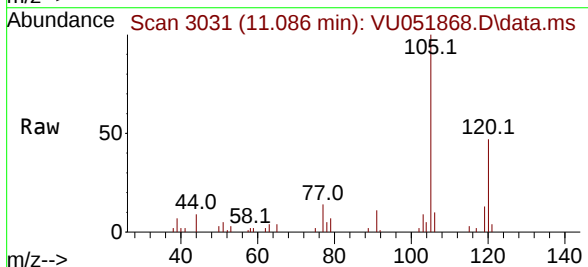
RT: 11.086 min Scan# 3031

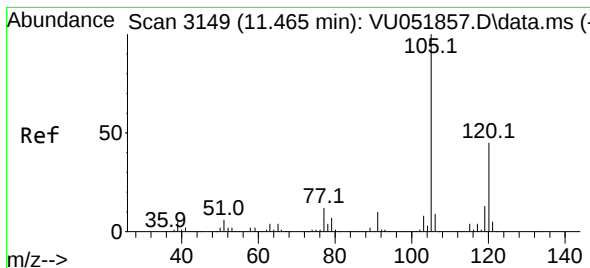
Delta R.T. -0.000 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Tgt Ion:	105	Resp:	12925
Ion Ratio	Lower	Upper	
105	100		
120	48.6	39.1	58.7





#63

1,2,4-Trimethylbenzene

Concen: 1.338 ug/L

RT: 11.468 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:105 Resp: 11680

Ion Ratio Lower Upper

105 100

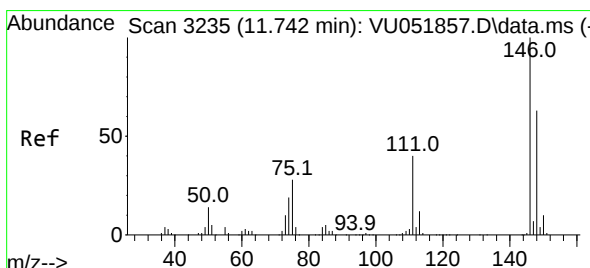
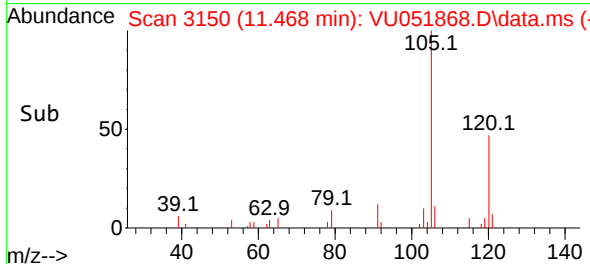
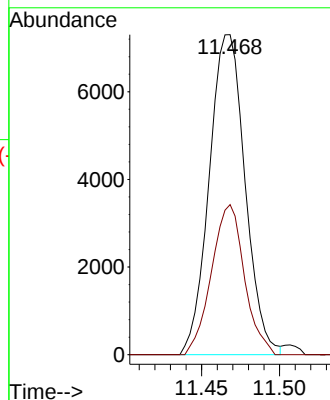
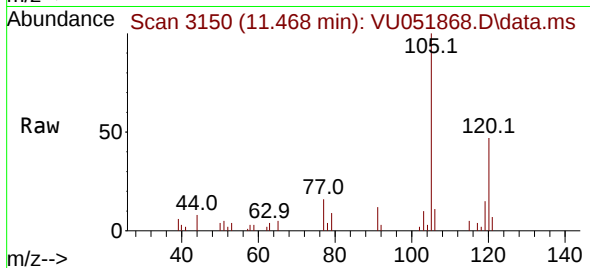
120 43.1 36.2 54.2

Manual Integrations

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Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#64

1,3-Dichlorobenzene

Concen: 1.698 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. 0.003 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

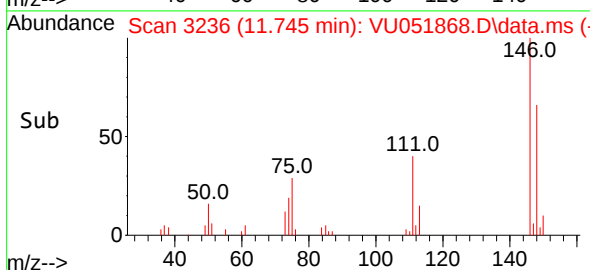
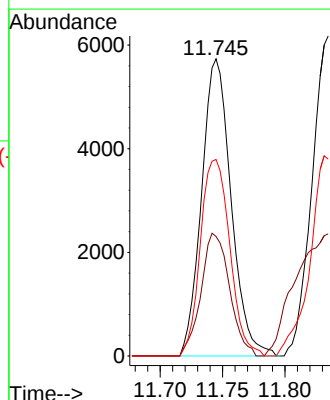
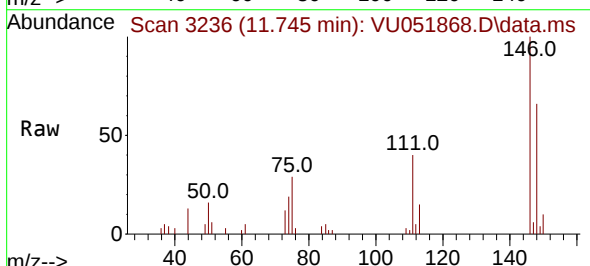
Tgt Ion:146 Resp: 9438

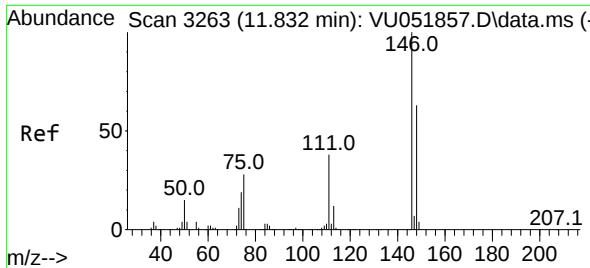
Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.1

148 66.1 44.4 82.4





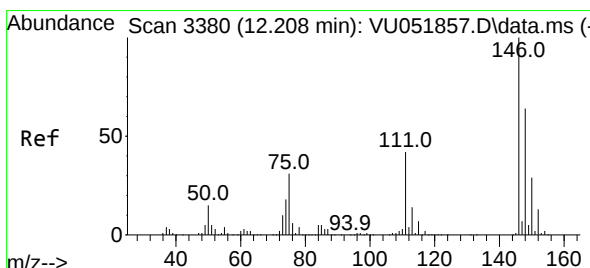
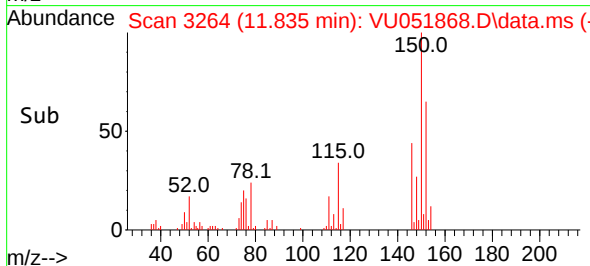
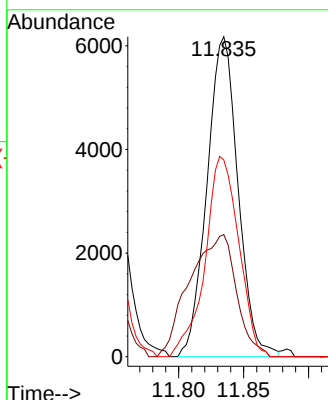
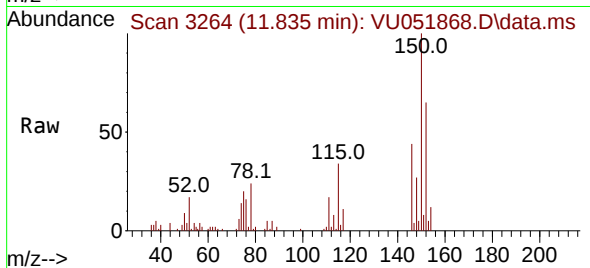
#65
1,4-Dichlorobenzene
Concen: 1.824 ug/L
RT: 11.835 min Scan# 3263
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:146 Resp: 10270
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.5
148 61.5 44.4 82.4

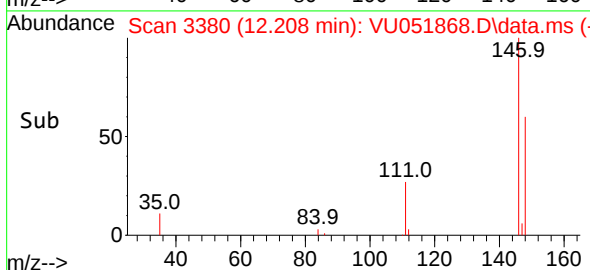
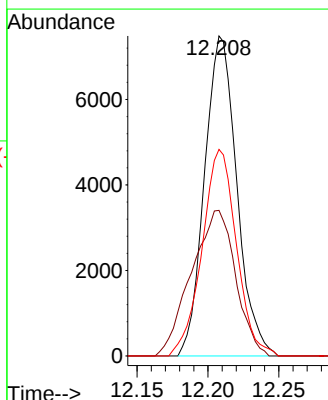
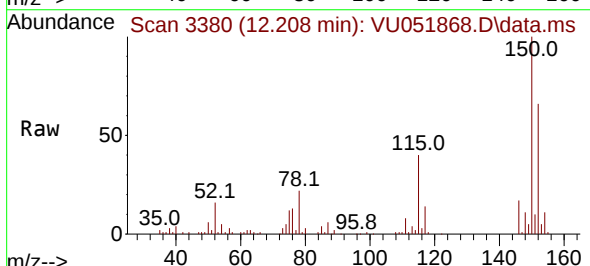
Manual Integrations
APPROVED

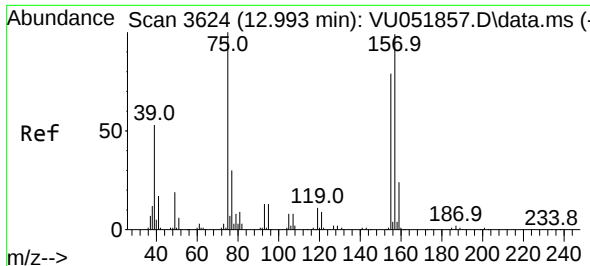
Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#67
1,2-Dichlorobenzene
Concen: 2.009 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

Tgt Ion:146 Resp: 11877
Ion Ratio Lower Upper
146 100
111 45.5 33.6 50.4
148 64.5 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 2.178 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

Instrument :

MSVOA_U

ClientSampleId :

MDL02

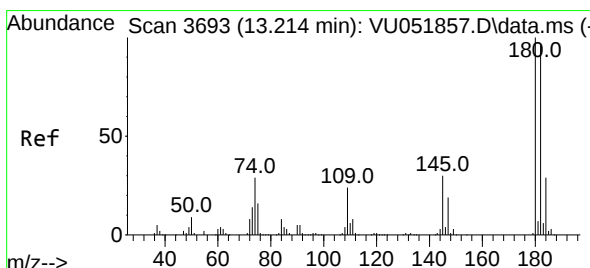
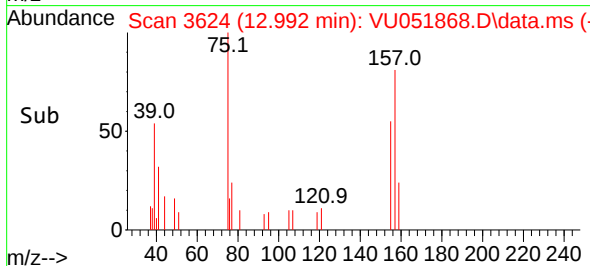
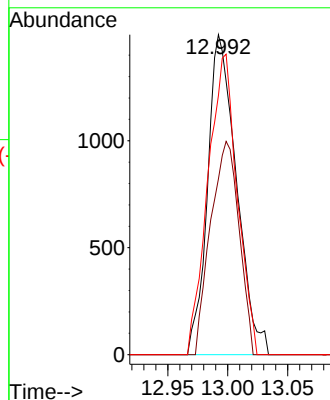
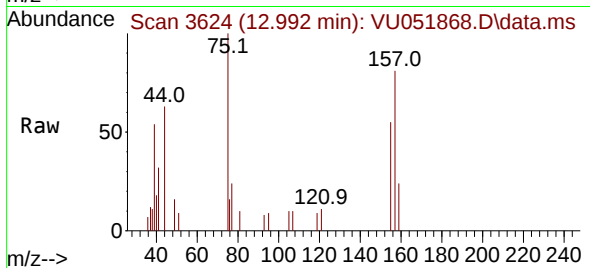
Tgt Ion: 75	Resp: 2504
Ion Ratio	Lower Upper
75	100
155	54.9 63.0 94.6
157	81.0 79.4 119.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/16/2022

Supervised By :Mahesh Dadoda 11/16/2022



#69

1,3,5-Trichlorobenzene

Concen: 1.737 ug/L

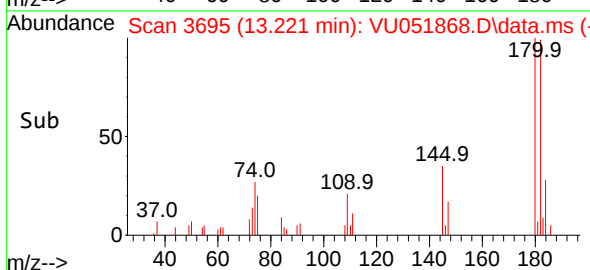
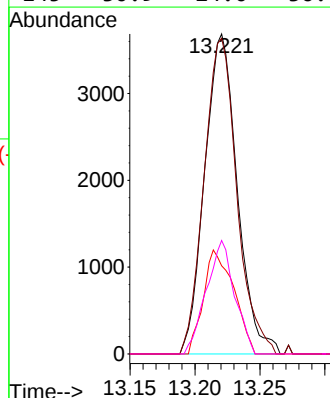
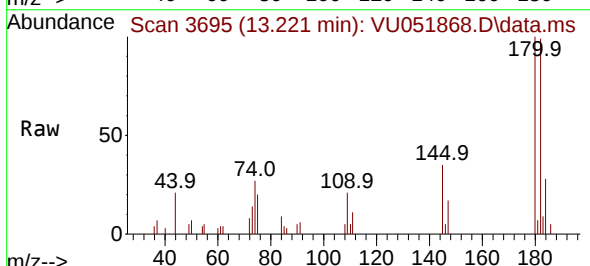
RT: 13.221 min Scan# 3695

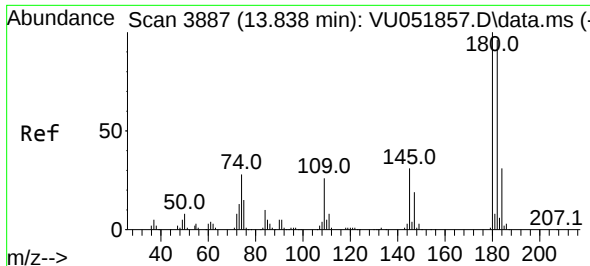
Delta R.T. 0.006 min

Lab File: VU051868.D

Acq: 15 Nov 2022 18:46

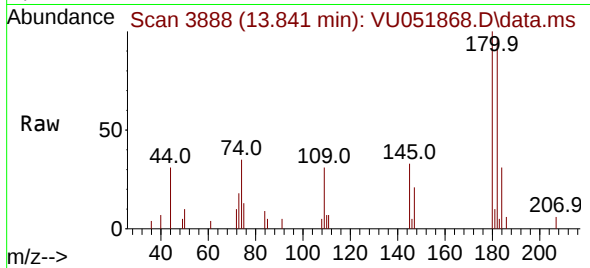
Tgt Ion:180	Resp: 6408
Ion Ratio	Lower Upper
180	100
182	99.3 77.0 115.4
184	30.4 23.8 35.8
145	30.9 24.0 36.0





#70
1,2,4-trichlorobenzene
Concen: 1.672 ug/L
RT: 13.841 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46

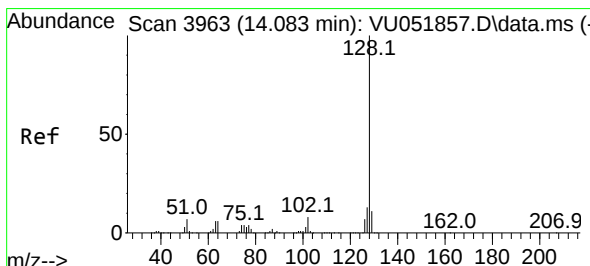
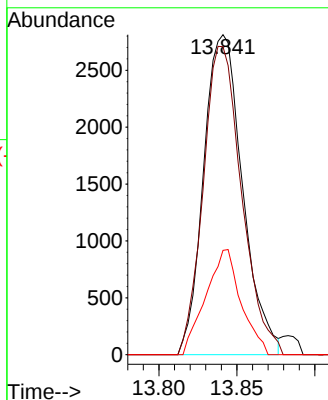
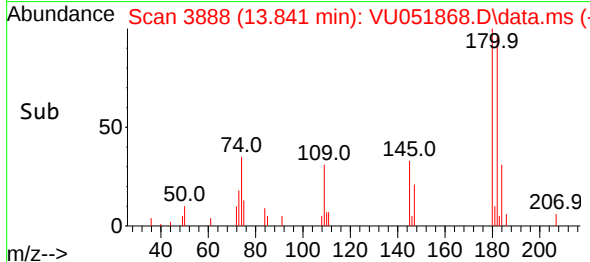
Instrument :
MSVOA_U
ClientSampleId :
MDL02



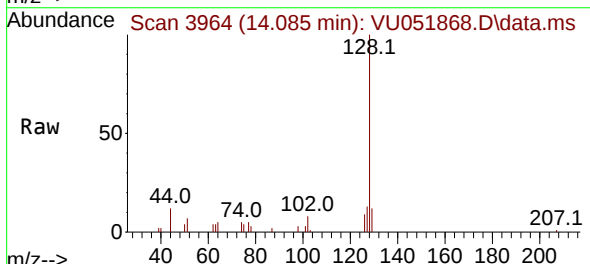
Tgt Ion:180 Resp: 488
Ion Ratio Lower Upper
180 100
182 94.8 76.4 114.6
145 29.7 24.2 36.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 11/16/2022
Supervised By :Mahesh Dadoda 11/16/2022



#71
Naphthalene
Concen: 1.527 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051868.D
Acq: 15 Nov 2022 18:46



Tgt Ion:128 Resp: 14678
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 11.0 8.5 12.7

