

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051502.D
 Acq On : 26 Oct 2022 15:09
 Operator : JC/MD
 Sample : N5270-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAC8

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 05:35:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:28:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	266283	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	273900	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	151611	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	94961	4.421	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	88.400%		
7) Chloroethane-d5	1.909	69	86447	4.684	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	93.600%		
11) 1,1-Dichloroethene-d2	2.559	65	36836	4.338	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	86.800%		
20) 2-Butanone-d5	4.642	46	202530	42.826	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	85.660%		
24) Chloroform-d	5.060	84	158827	3.966	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	79.400%		
26) 1,2-Dichloroethane-d4	5.707	65	82456	3.993	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	79.800%		
32) Benzene-d6	5.729	84	337746	4.482	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	89.600%		
36) 1,2-Dichloropropane-d6	6.690	67	104634	4.089	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	81.800%		
41) Toluene-d8	7.896	98	285371	4.233	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	84.600%		
43) trans-1,3-Dichloroprop...	8.179	79	33260	3.956	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	79.200%		
46) 2-Hexanone-d5	8.636	63	165844	58.529	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	117.060%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	95339	4.664	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	93.200%		
66) 1,2-Dichlorobenzene-d4	12.192	152	115866	4.397	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	88.000%		
Target Compounds						
5) Vinyl chloride	1.597	62	69411	2.320	ug/L	99
8) Chloroethane	1.929	64	59498	3.119	ug/L	87
13) Acetone	2.652	43	60011	16.919	ug/L	94
18) trans-1,2-Dichloroethene	3.353	96	8877	0.435	ug/L	88
19) 1,1-Dichloroethane	3.867	63	16074	0.381	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	55858	2.468	ug/L	97
30) Cyclohexane	5.385	56	346708	12.455	ug/L	99
33) Benzene	5.758	78	29597706m	323.684	ug/L	
34) Trichloroethene	6.539	95	6537	0.287	ug/L	93
35) Methylcyclohexane	6.761	83	139613	4.851	ug/L	98
42) Toluene	7.967	91	252139	2.598	ug/L	98
51) Chlorobenzene	9.446	112	8244104	142.156	ug/L	99
52) Ethylbenzene	9.562	91	18921684m	216.937	ug/L	
53) m,p-Xylene	9.690	106	21868076m	646.456	ug/L	
54) o-Xylene	10.102	106	5605309	175.126	ug/L	96
60) Isopropylbenzene	10.485	105	4826900	50.266	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	1475614	57.927	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	8366036	116.128	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	12556	0.264	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051502.D
 Acq On : 26 Oct 2022 15:09
 Operator : JC/MD
 Sample : N5270-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAC8

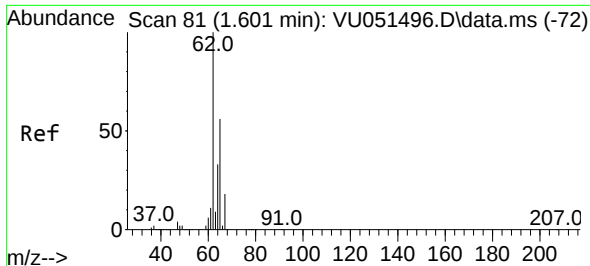
Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 05:35:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:28:43 2022
 Response via : Initial Calibration

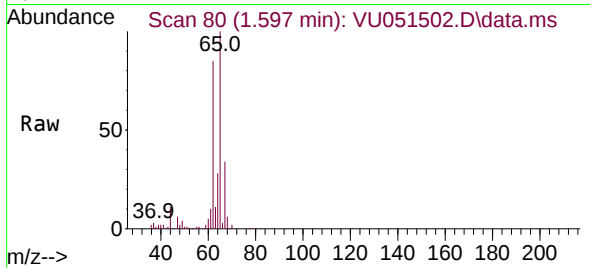
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.835	146	222071	4.743	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	116383	2.520	ug/L	97

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



#5
 Vinyl chloride
 Concen: 2.320 ug/L
 RT: 1.597 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VU051502.D
 Acq: 26 Oct 2022 15:09

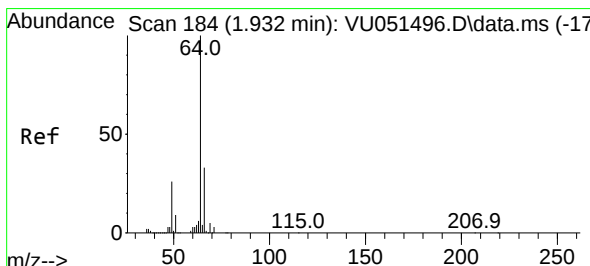
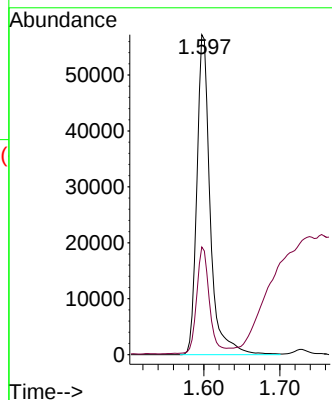
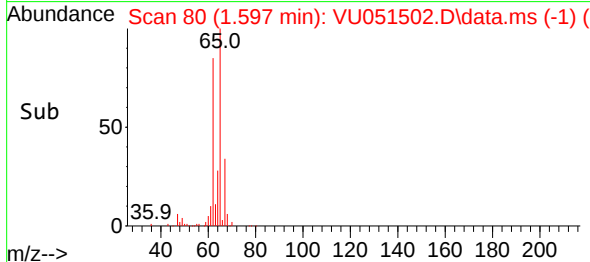
Instrument :
 MSVOA_U
 ClientSampleId :
 BHAC8



Tgt Ion: 62 Resp: 6941
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.0 44.6

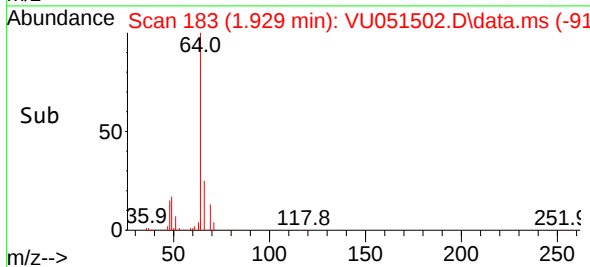
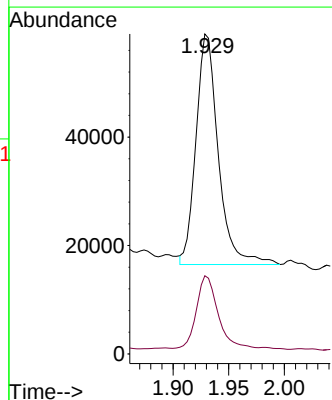
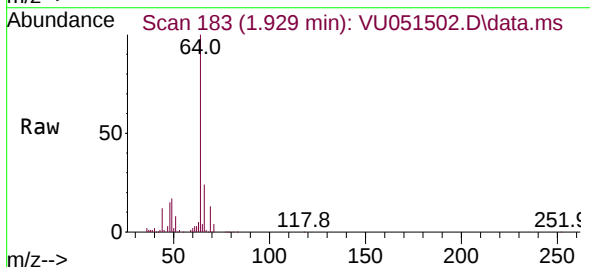
Manual Integrations
 APPROVED

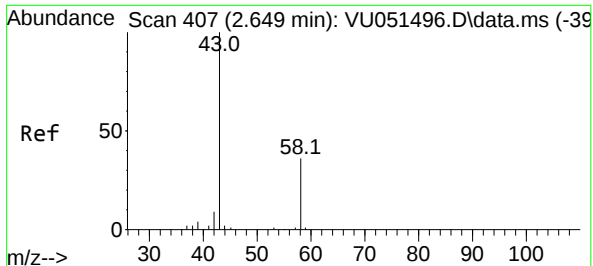
Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022



#8
 Chloroethane
 Concen: 3.119 ug/L
 RT: 1.929 min Scan# 183
 Delta R.T. -0.003 min
 Lab File: VU051502.D
 Acq: 26 Oct 2022 15:09

Tgt Ion: 64 Resp: 59498
 Ion Ratio Lower Upper
 64 100
 66 24.4 22.3 41.3





#13

Acetone

Concen: 16.919 ug/L

RT: 2.652 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU051502.D

Acq: 26 Oct 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

BHAC8

Tgt Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

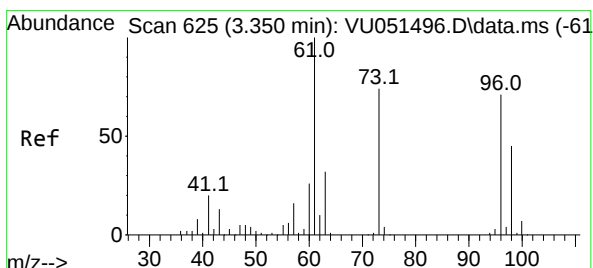
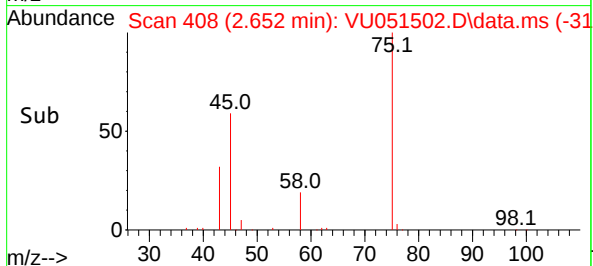
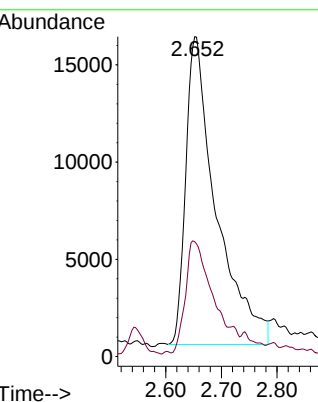
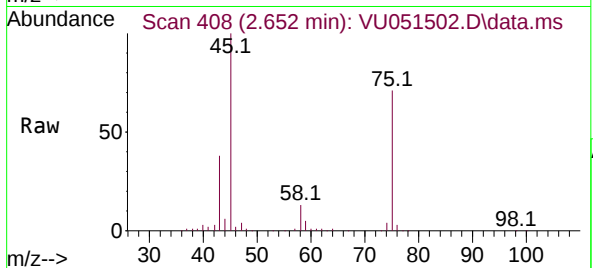
58 31.2 0.0 68.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/27/2022

Supervised By :Mahesh Dadoda 10/31/2022



#18

trans-1,2-Dichloroethene

Concen: 0.435 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU051502.D

Acq: 26 Oct 2022 15:09

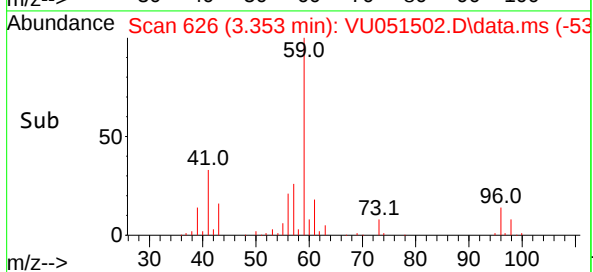
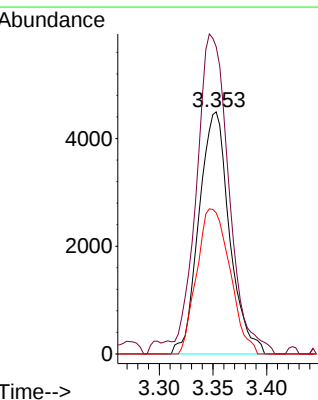
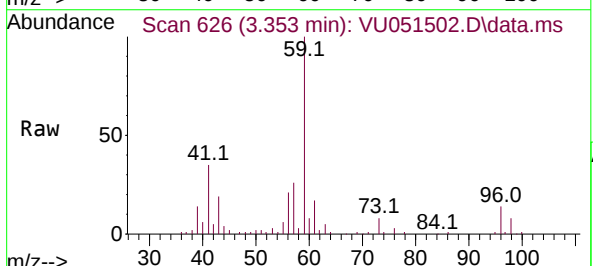
Tgt Ion: 96 Resp: 8877

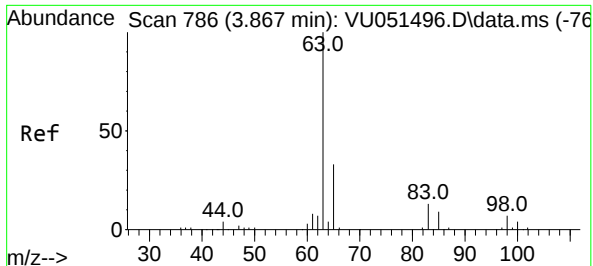
Ion Ratio Lower Upper

96 100

61 126.9 101.4 188.2

98 58.3 44.9 83.5





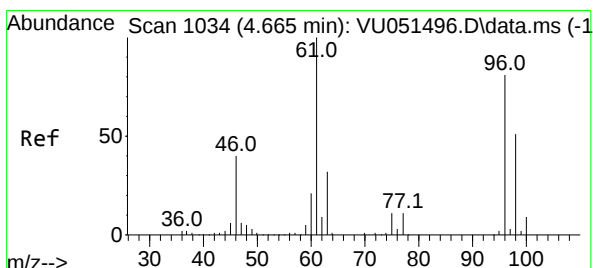
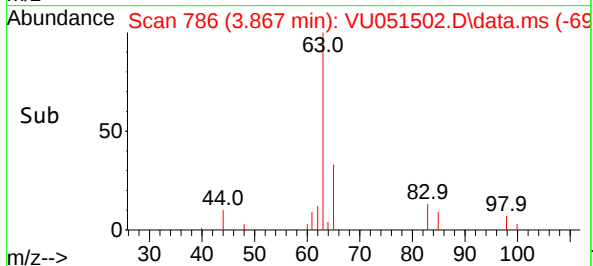
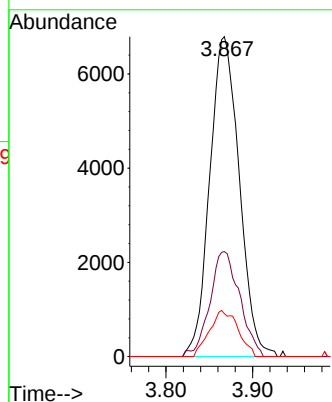
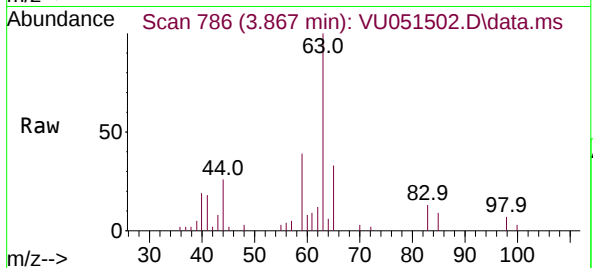
#19
1,1-Dichloroethane
Concen: 0.381 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Instrument :
MSVOA_U
ClientSampleId :
BHAC8

Tgt Ion: 63 Resp: 16074
Ion Ratio Lower Upper
63 100
65 32.8 22.0 41.0
83 13.4 9.0 16.6

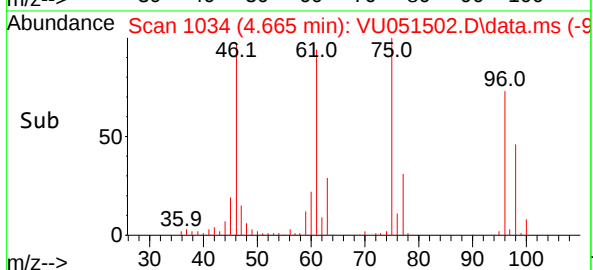
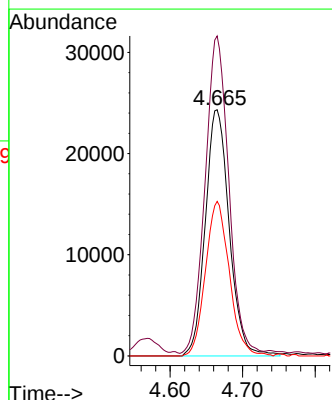
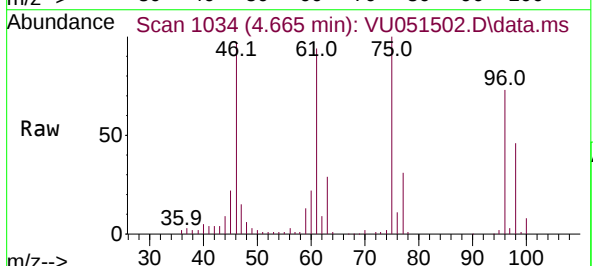
Manual Integrations
APPROVED

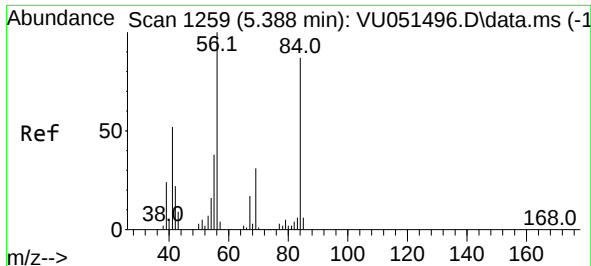
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



#22
cis-1,2-Dichloroethene
Concen: 2.468 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

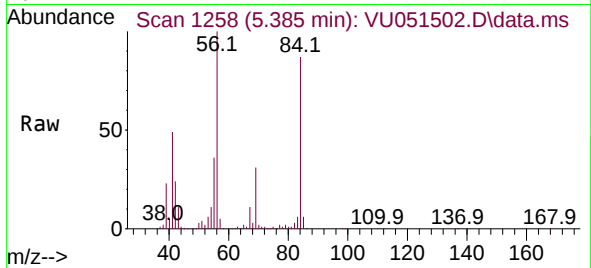
Tgt Ion: 96 Resp: 55858
Ion Ratio Lower Upper
96 100
61 130.0 90.6 168.2
98 62.8 47.5 88.3





#30
Cyclohexane
Concen: 12.455 ug/L
RT: 5.385 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

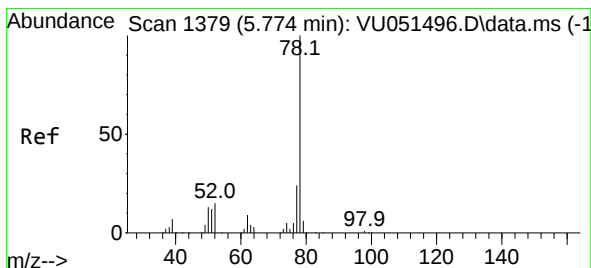
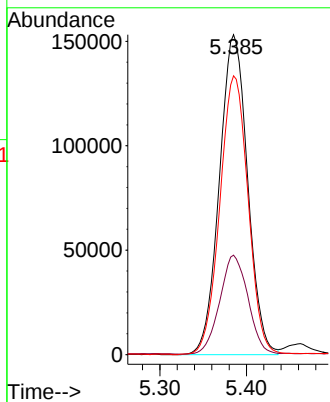
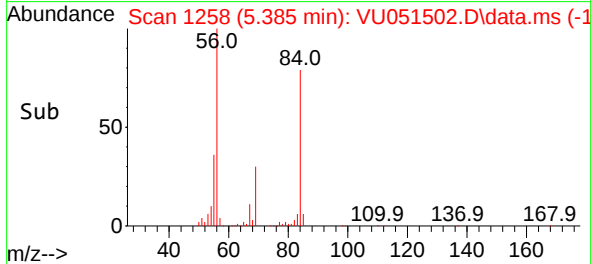
Instrument :
MSVOA_U
ClientSampleId :
BHAC8



Tgt Ion: 56 Resp: 346708
Ion Ratio Lower Upper
56 100
69 30.9 25.1 37.7
84 87.2 70.9 106.3

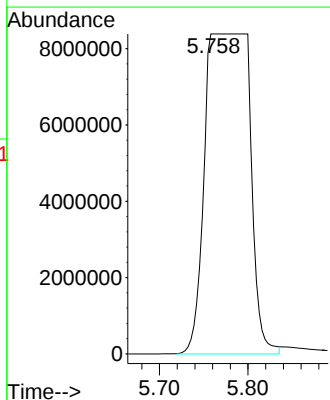
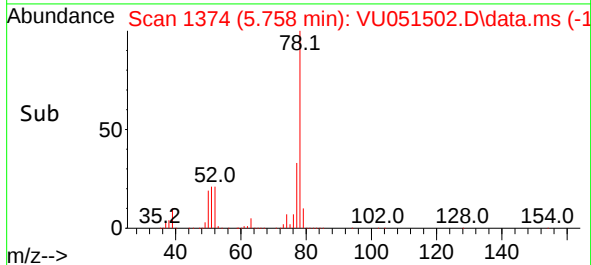
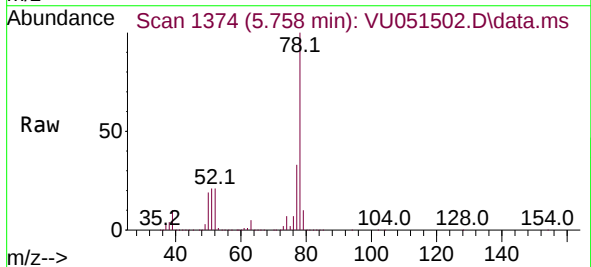
Manual Integrations
APPROVED

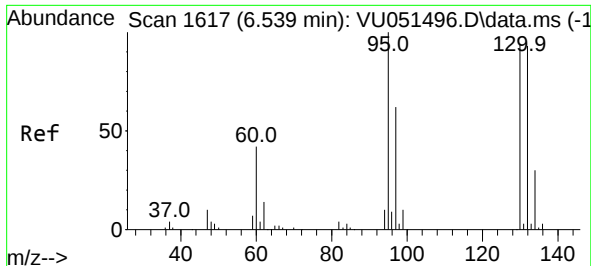
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



#33
Benzene
Concen: 323.684 ug/L m
RT: 5.758 min Scan# 1374
Delta R.T. -0.016 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Tgt Ion: 78 Resp:29597706





#34

Trichloroethene

Concen: 0.287 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU051502.D

Acq: 26 Oct 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

BHAC8

Tgt Ion: 95 Resp: 653

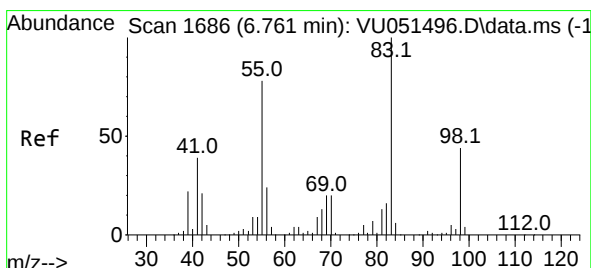
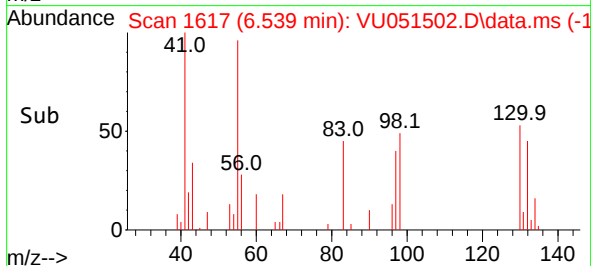
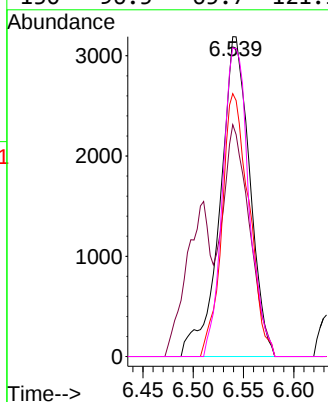
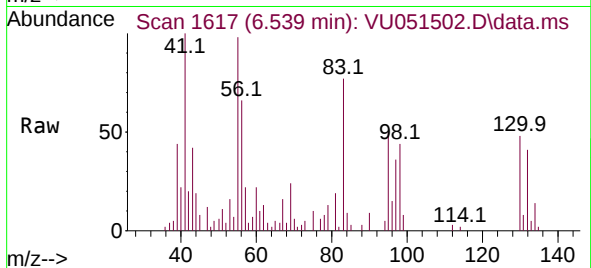
Ion	Ratio	Lower	Upper
95	100		
97	72.5	45.4	84.2
132	82.2	63.1	117.3
130	96.5	65.7	121.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/27/2022

Supervised By :Mahesh Dadoda 10/31/2022



#35

Methylcyclohexane

Concen: 4.851 ug/L

RT: 6.761 min Scan# 1686

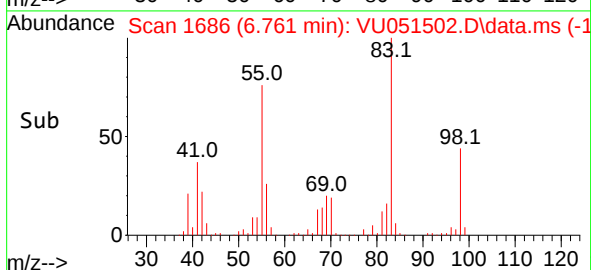
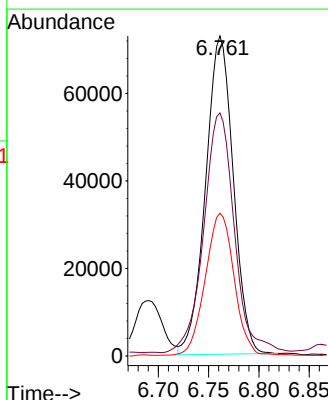
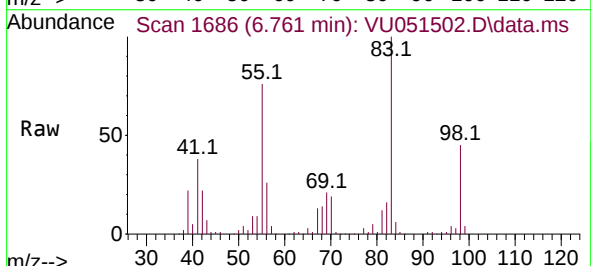
Delta R.T. -0.000 min

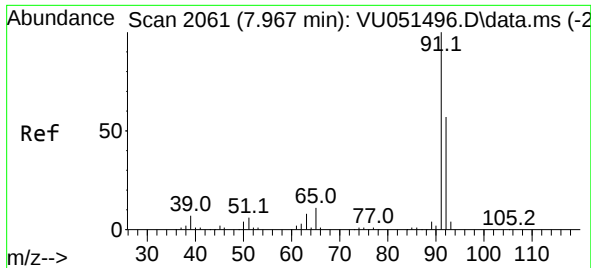
Lab File: VU051502.D

Acq: 26 Oct 2022 15:09

Tgt Ion: 83 Resp: 139613

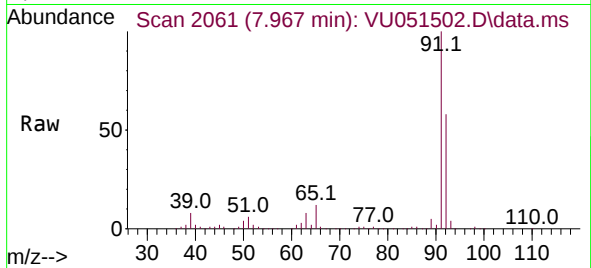
Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.8	98.6
98	46.5	35.9	53.9





#42
Toluene
Concen: 2.598 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

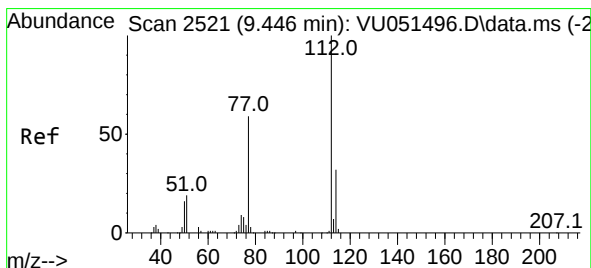
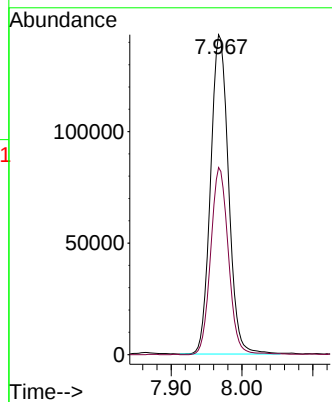
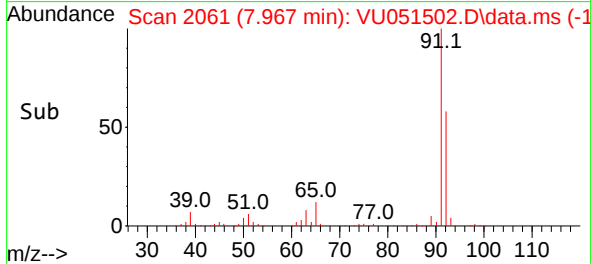
Instrument :
MSVOA_U
ClientSampleId :
BHAC8



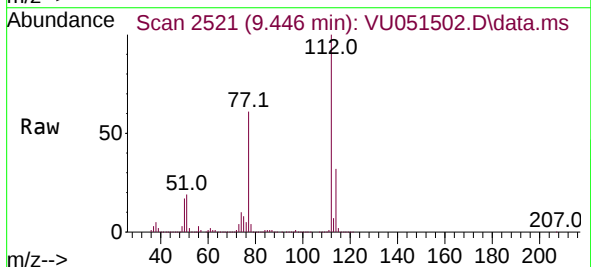
Tgt Ion: 91 Resp: 252139
Ion Ratio Lower Upper
91 100
92 58.5 39.9 74.1

Manual Integrations
APPROVED

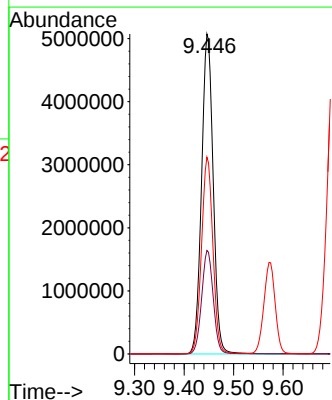
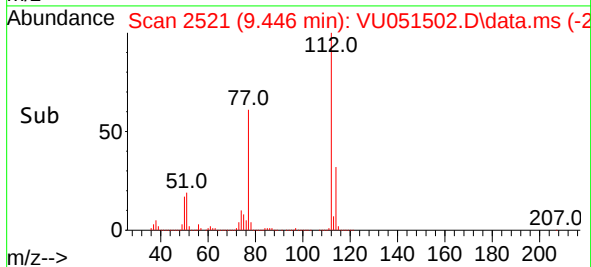
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022

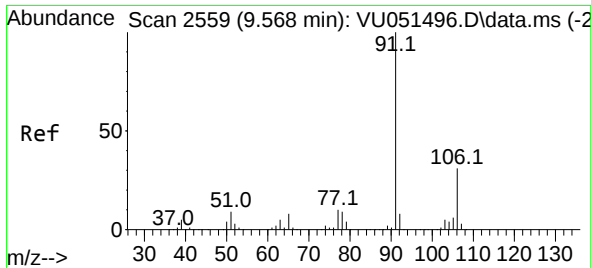


#51
Chlorobenzene
Concen: 142.156 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09



Tgt Ion:112 Resp: 8244104
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 61.5 48.1 72.1





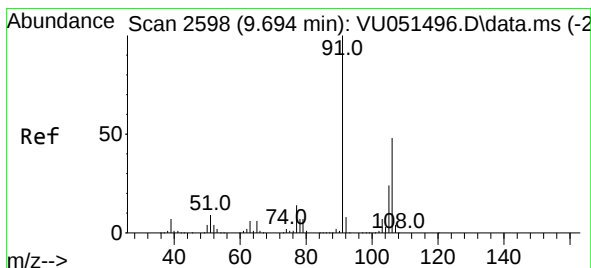
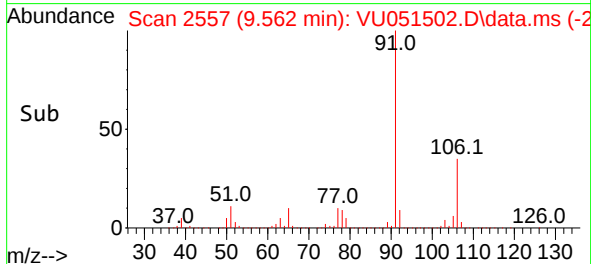
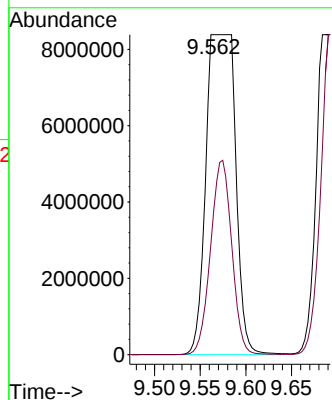
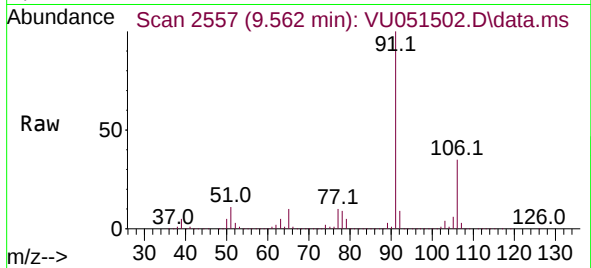
#52
Ethylbenzene
Concen: 216.937 ug/L m
RT: 9.562 min Scan# 2557
Delta R.T. -0.006 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Instrument :
MSVOA_U
ClientSampleId :
BHAC8

Tgt Ion: 91 Resp:18921684
Ion Ratio Lower Upper
91 100
106 34.6 20.9 38.7

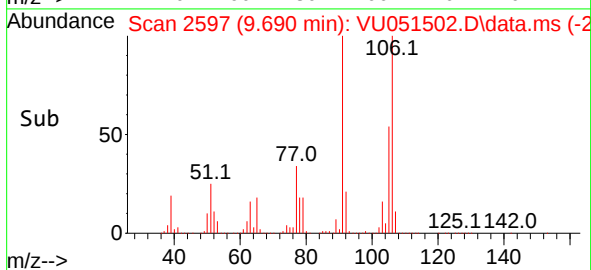
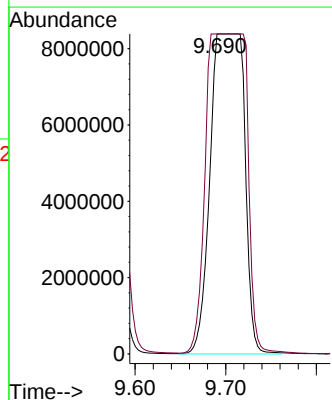
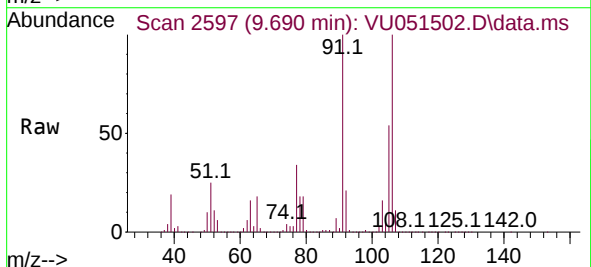
Manual Integrations
APPROVED

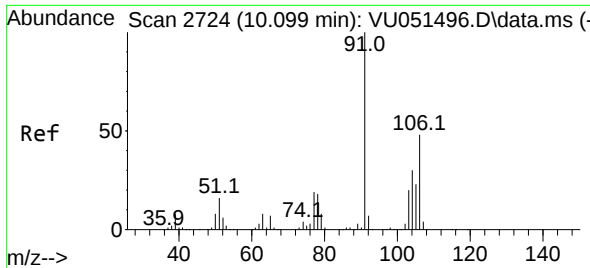
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
m,p-Xylene
Concen: 646.456 ug/L m
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Tgt Ion:106 Resp:21868076
Ion Ratio Lower Upper
106 100
91 100.0 143.9 267.3#





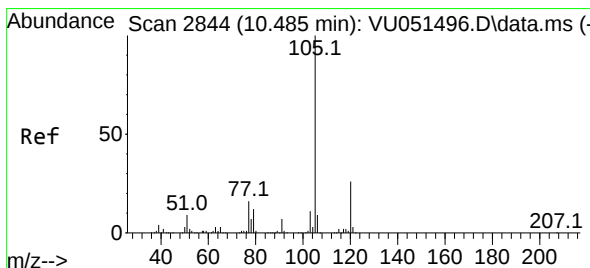
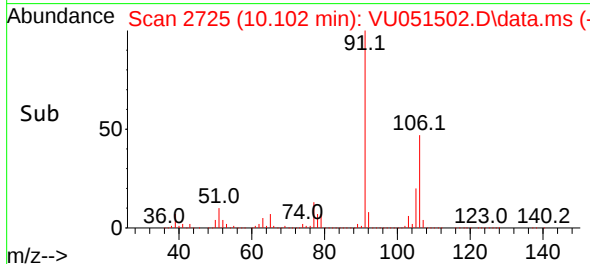
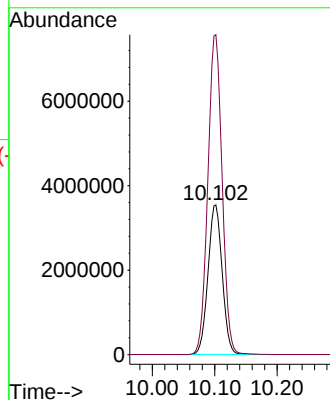
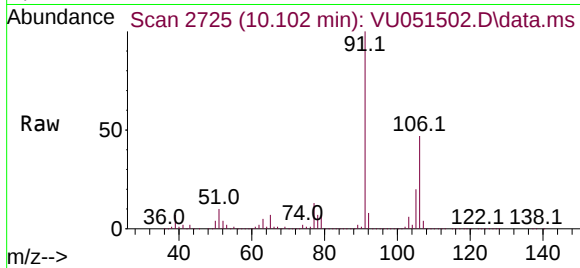
#54
o-Xylene
Concen: 175.126 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Instrument :
MSVOA_U
ClientSampleId :
BHAC8

Tgt Ion:106 Resp: 5605309
Ion Ratio Lower Upper
106 100
91 213.8 154.4 286.8

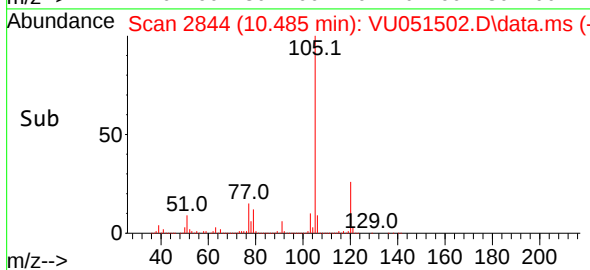
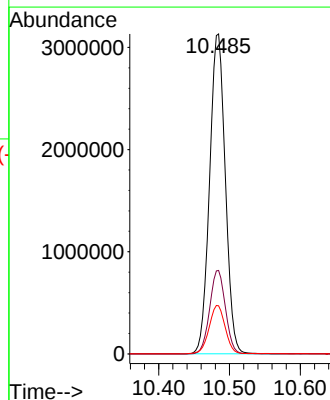
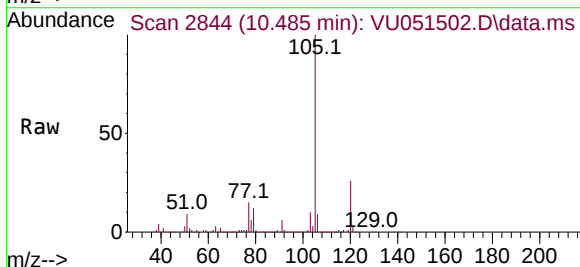
Manual Integrations
APPROVED

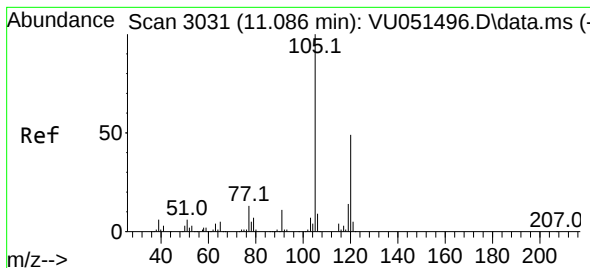
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



#60
Isopropylbenzene
Concen: 50.266 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Tgt Ion:105 Resp: 4826900
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8
77 15.6 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 57.927 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051502.D

Acq: 26 Oct 2022 15:09

Instrument :

MSVOA_U

ClientSampleId :

BHAC8

Tgt Ion:105 Resp: 1475614

Ion Ratio Lower Upper

105 100

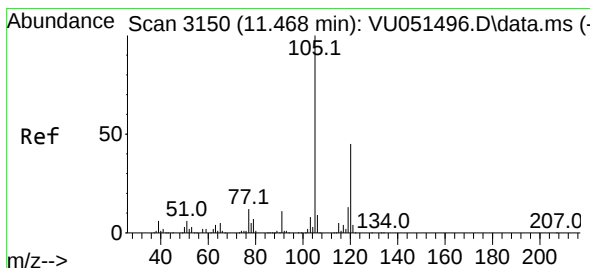
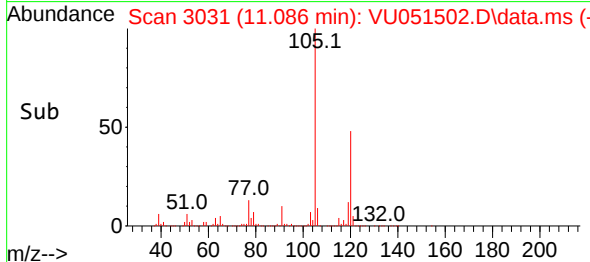
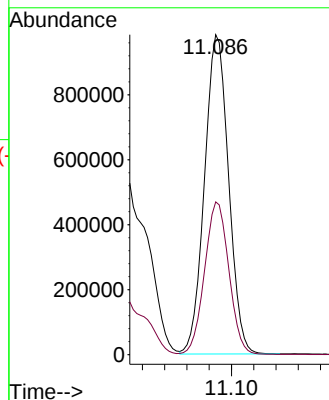
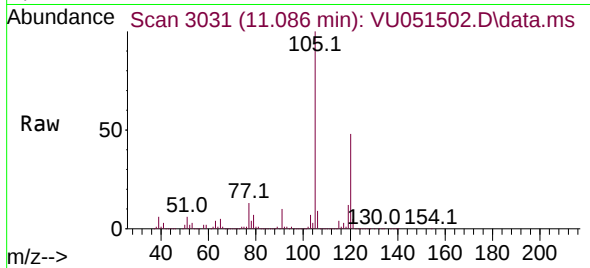
120 48.5 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/27/2022

Supervised By :Mahesh Dadoda 10/31/2022



#63

1,2,4-Trimethylbenzene

Concen: 116.128 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU051502.D

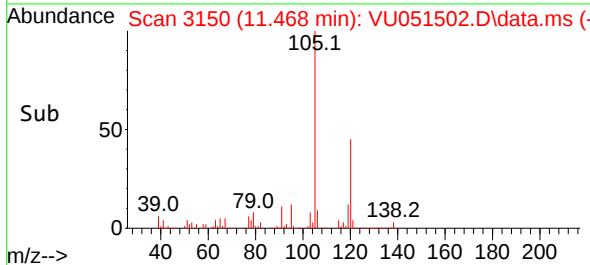
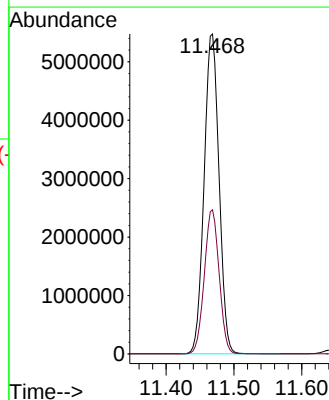
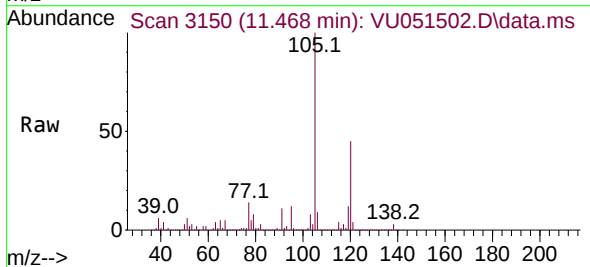
Acq: 26 Oct 2022 15:09

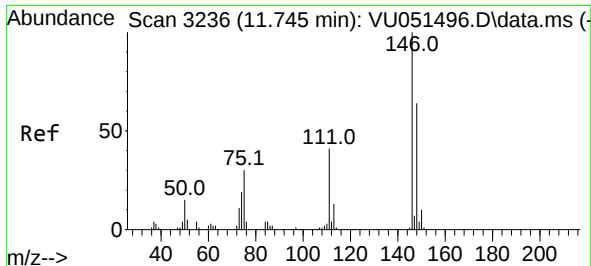
Tgt Ion:105 Resp: 8366036

Ion Ratio Lower Upper

105 100

120 44.7 35.6 53.4





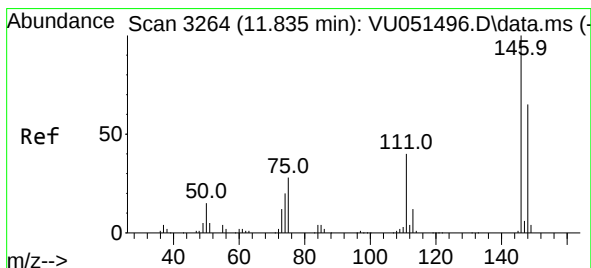
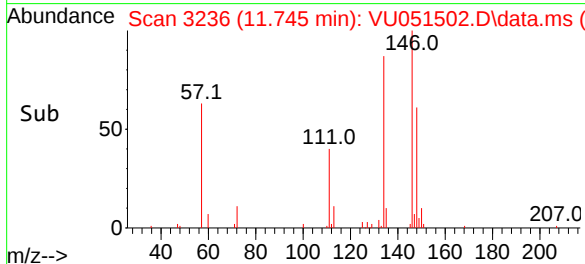
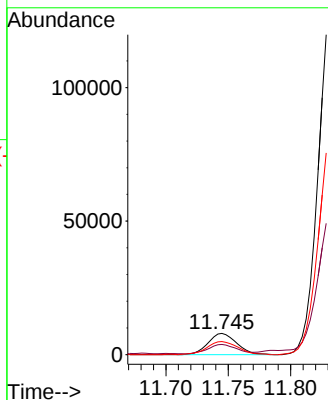
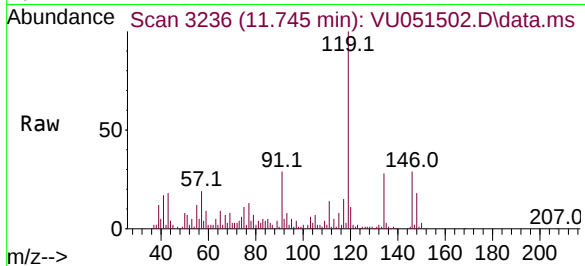
#64
1,3-Dichlorobenzene
Concen: 0.264 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

Instrument :
MSVOA_U
ClientSampleId :
BHAC8

Tgt Ion:146 Resp: 12556
Ion Ratio Lower Upper
146 100
111 48.1 28.3 52.7
148 61.1 43.8 81.4

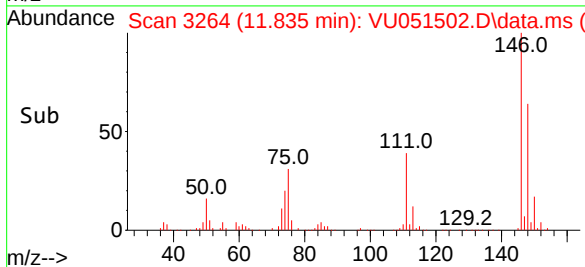
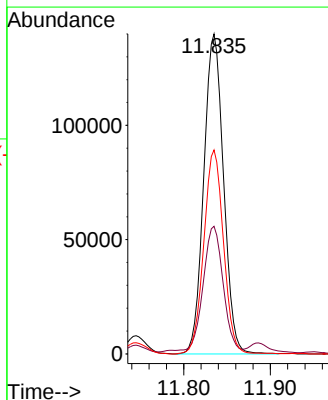
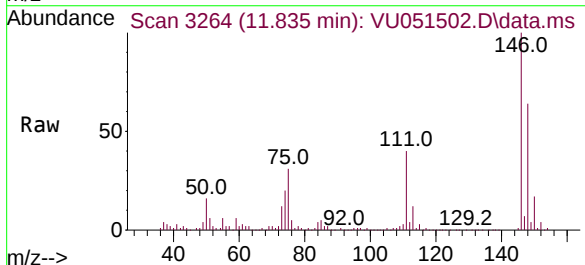
Manual Integrations
APPROVED

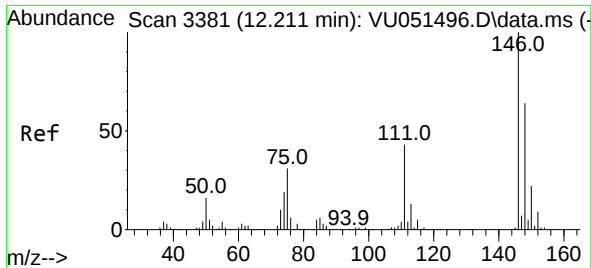
Reviewed By :Krupa Patel 10/27/2022
Supervised By :Mahesh Dadoda 10/31/2022



#65
1,4-Dichlorobenzene
Concen: 4.743 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051502.D
Acq: 26 Oct 2022 15:09

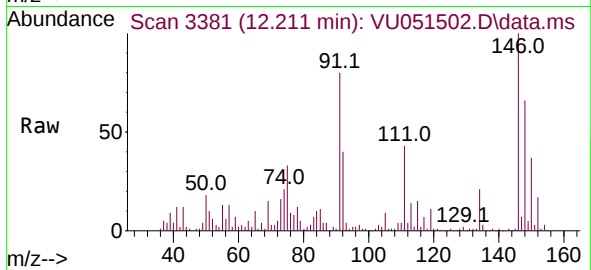
Tgt Ion:146 Resp: 222071
Ion Ratio Lower Upper
146 100
111 39.9 29.1 54.1
148 63.8 44.2 82.0





#67
 1,2-Dichlorobenzene
 Concen: 2.520 ug/L
 RT: 12.211 min Scan# 3381
 Delta R.T. -0.000 min
 Lab File: VU051502.D
 Acq: 26 Oct 2022 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAC8



Tgt Ion:146 Resp: 116383
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.5 53.3
 148 66.5 50.9 76.3

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/27/2022
 Supervised By :Mahesh Dadoda 10/31/2022

