

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061061.D
 Acq On : 01 Oct 2024 22:17
 Operator : MD/SY
 Sample : P4227-09 400X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20240926)

Quant Time: Oct 02 02:38:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 02 02:09:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/02/2024
 Supervised By :Mahesh Dadoda 10/02/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	179819	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	168898	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81147	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55589	4.324	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	86.400%		
7) Chloroethane-d5	1.911	69	44063	4.579	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	91.600%		
11) 1,1-Dichloroethene-d2	2.563	65	23668	4.173	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	83.400%		
20) 2-Butanone-d5	4.631	46	155476	50.487	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	100.980%		
24) Chloroform-d	5.055	84	100989	4.457	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	89.200%		
26) 1,2-Dichloroethane-d4	5.695	65	56727	4.723	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.400%		
32) Benzene-d6	5.717	84	206954	4.647	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	93.000%		
36) 1,2-Dichloropropane-d6	6.682	67	69516	4.753	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	95.000%		
41) Toluene-d8	7.891	98	185892	4.466	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	89.400%		
43) trans-1,3-Dichloroprop...	8.174	79	28026	4.482	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	89.600%		
46) 2-Hexanone-d5	8.627	63	127055	49.088	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	98.180%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	50736	4.730	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.600%		
66) 1,2-Dichlorobenzene-d4	12.183	152	61606	4.748	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	95.000%		
Target Compounds					Qvalue	
5) Vinyl chloride	1.602	62	9075	0.714	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	316915	24.999	ug/L	93
34) Trichloroethene	6.537	95	6509	0.482	ug/L	89
35) Methylcyclohexane	6.756	83	3009	0.138	ug/L #	84
42) Toluene	7.962	91	867365	16.352	ug/L	100
47) Tetrachloroethene	8.547	164	19274	2.194	ug/L	98
51) Chlorobenzene	9.441	112	67858	2.100	ug/L	92
52) Ethylbenzene	9.566	91	40158	0.668	ug/L	97
53) m,p-Xylene	9.685	106	57283	2.612	ug/L	90
54) o-Xylene	10.094	106	18424	0.854	ug/L	87
60) Isopropylbenzene	10.479	105	5511m	0.102	ug/L	
62) 1,3,5-Trimethylbenzene	11.084	105	10807	0.226	ug/L	93
63) 1,2,4-Trimethylbenzene	11.463	105	28358	0.587	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	41718	1.793	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	239802	10.428	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	57988	2.697	ug/L	96
70) 1,2,4-trichlorobenzene	13.833	180	508223	40.489	ug/L	97
72) 1,2,3-Trichlorobenzene	14.322	180	88895	8.510	ug/L #	97

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Reviewed By :Semsettin Yesilyurt 10/02/2024
Supervised By :Mahesh Dadoda 10/02/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

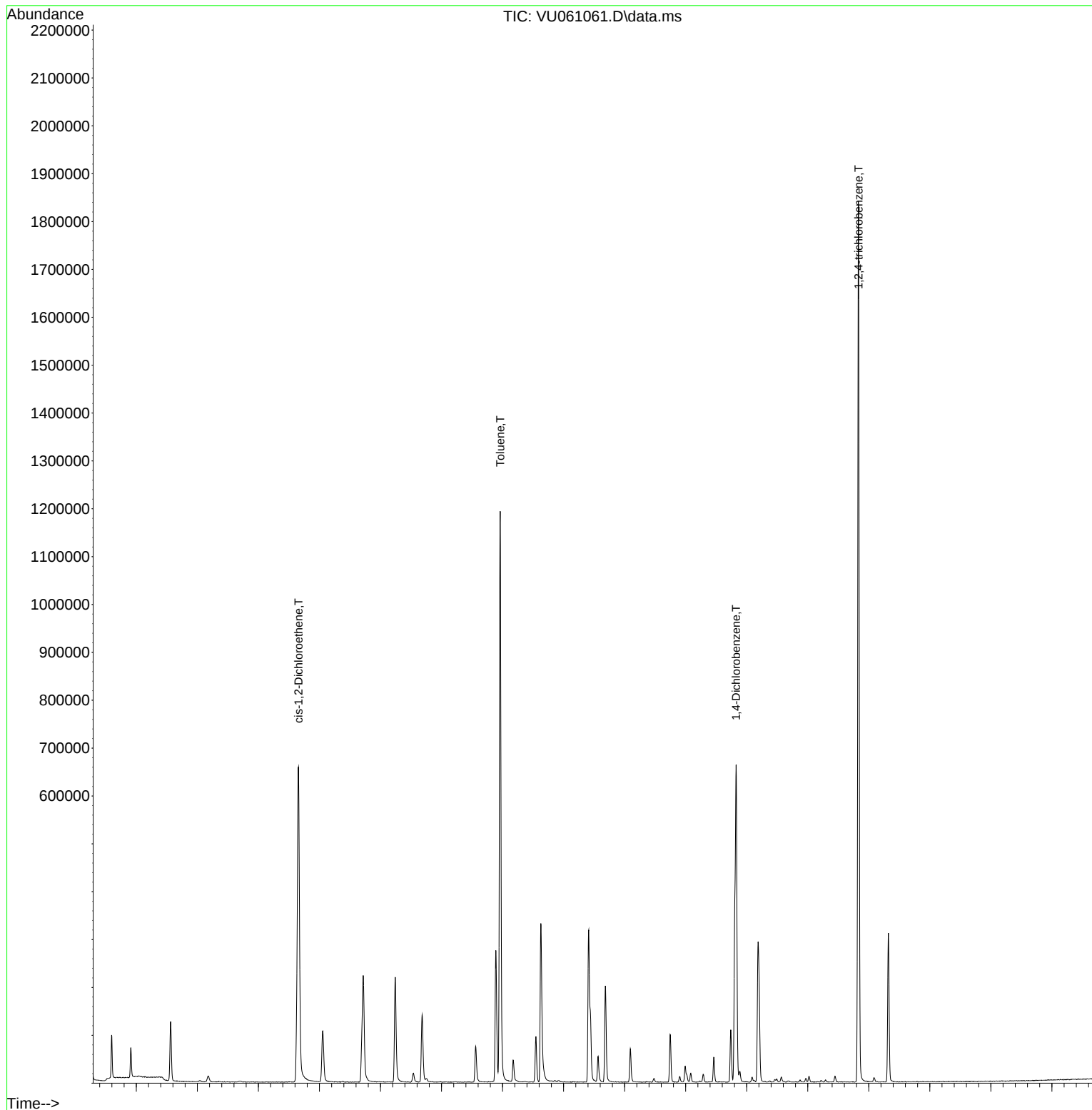
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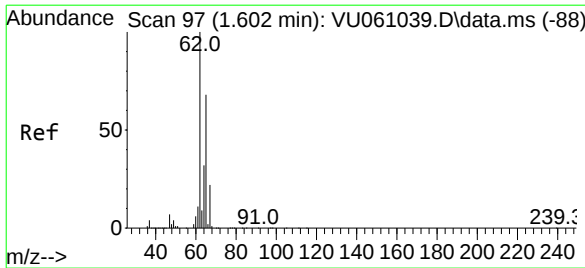
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20240926)

Quant Time: Oct 02 02:38:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
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#5

Vinyl chloride

Concen: 0.714 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU061061.D

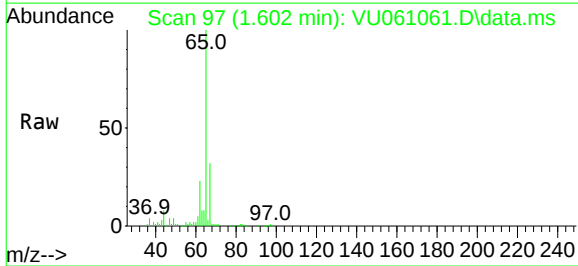
Acq: 01 Oct 2024 22:17

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20240926)



Tgt Ion: 62 Resp: 9075

Ion Ratio Lower Upper

62 100

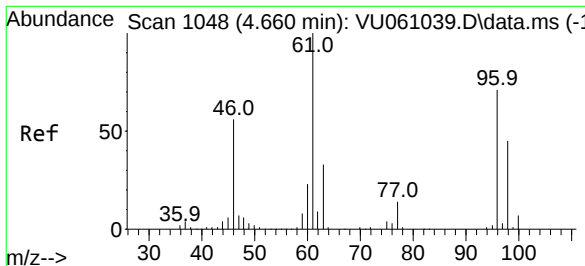
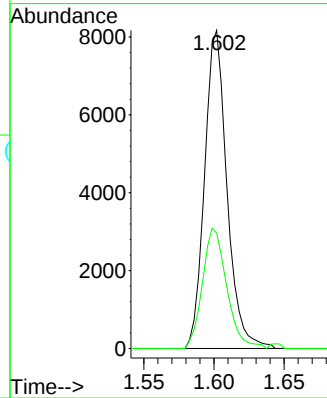
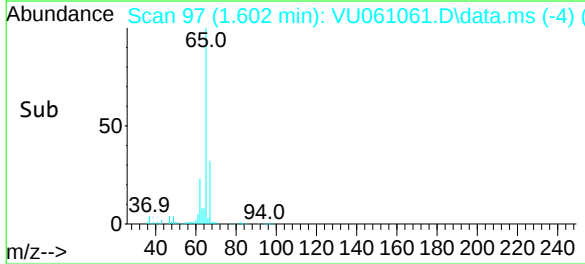
64 36.3 24.0 44.6

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 24.999 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

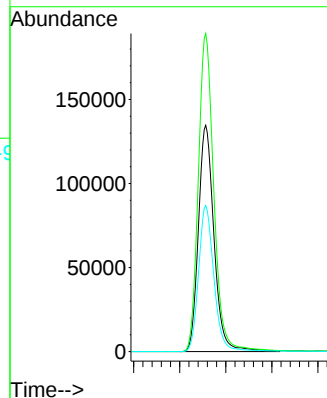
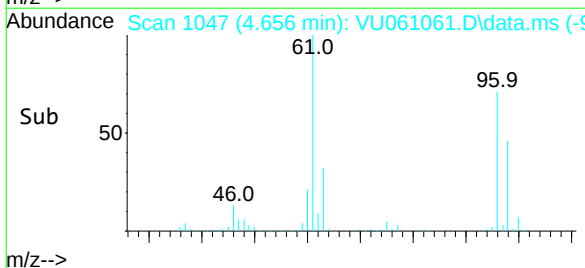
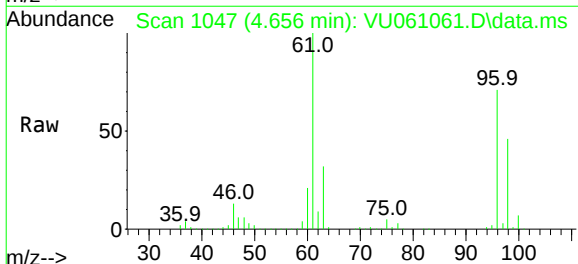
Tgt Ion: 96 Resp: 316915

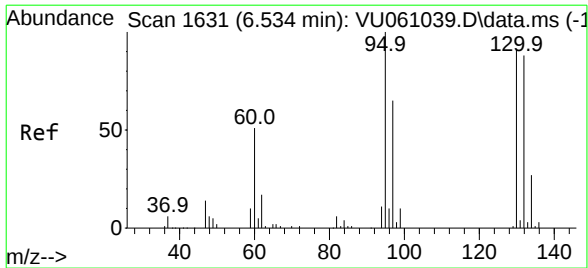
Ion Ratio Lower Upper

96 100

61 140.5 89.7 166.5

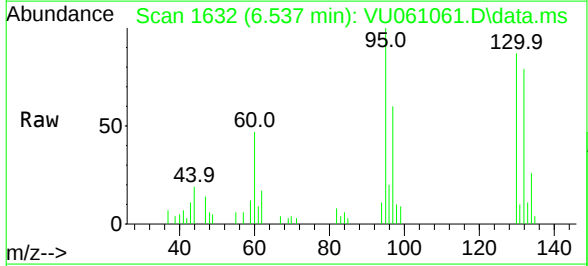
98 64.5 45.1 83.9





#34
Trichloroethene
Concen: 0.482 ug/L
RT: 6.537 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

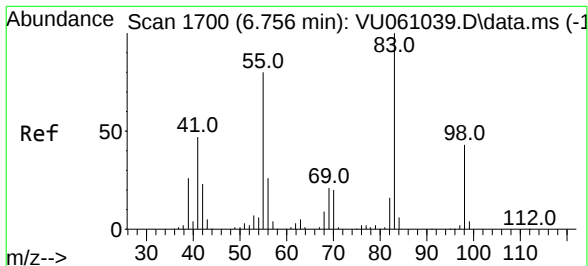
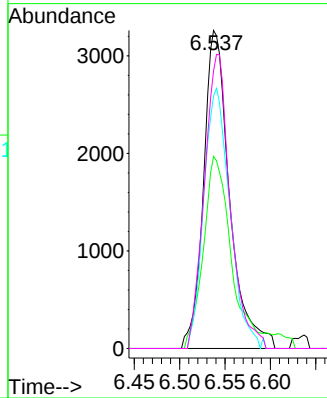
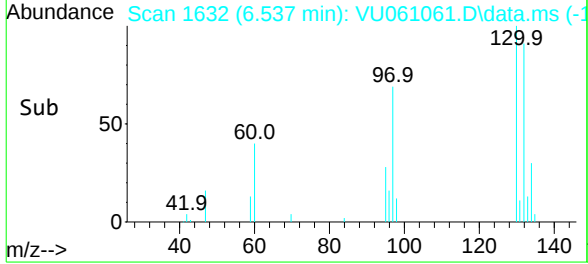
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20240926)



Tgt Ion	Ratio	Lower	Upper
95	100		
97	60.4	44.9	83.5
132	79.4	63.5	117.9
130	87.3	70.2	130.4

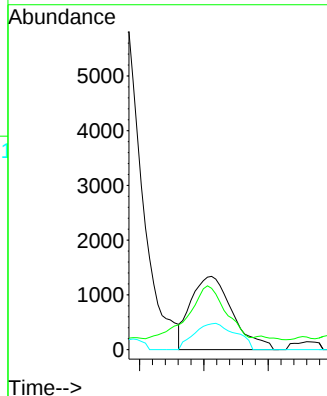
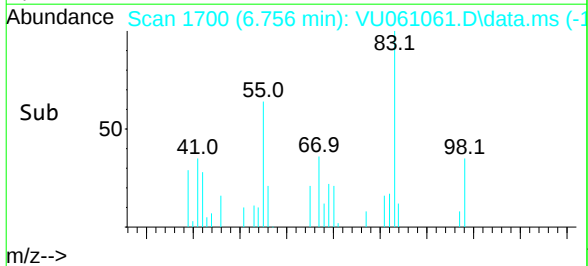
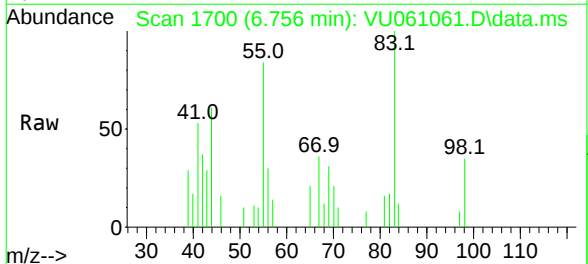
Manual Integrations
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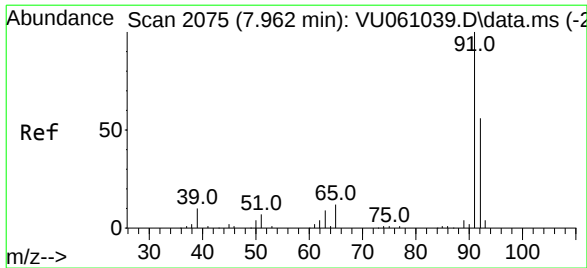
Reviewed By :Semsettin Yesilyurt 10/02/2024
Supervised By :Mahesh Dadoda 10/02/2024



#35
Methylcyclohexane
Concen: 0.138 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	64.9	62.6	94.0
98	35.5	37.6	56.4





#42

Toluene

Concen: 16.352 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061061.D

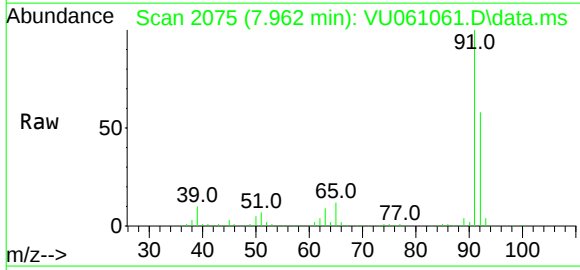
Acq: 01 Oct 2024 22:17

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20240926)



Tgt Ion: 91 Resp: 867365

Ion Ratio Lower Upper

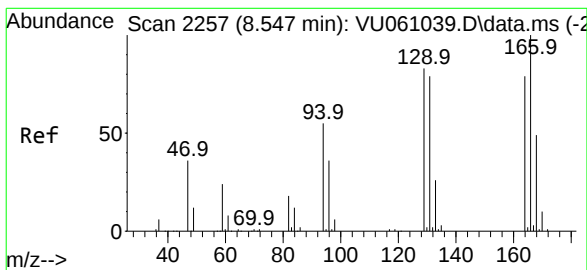
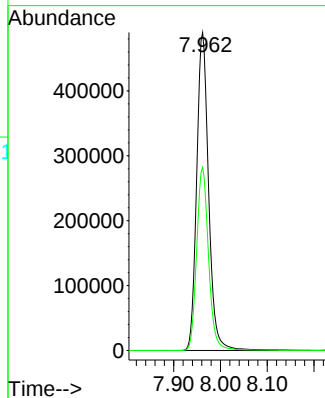
91 100

92 57.6 40.5 75.3

Manual Integrations

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Supervised By :Mahesh Dadoda 10/02/2024



#47

Tetrachloroethene

Concen: 2.194 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Tgt Ion:164 Resp: 19274

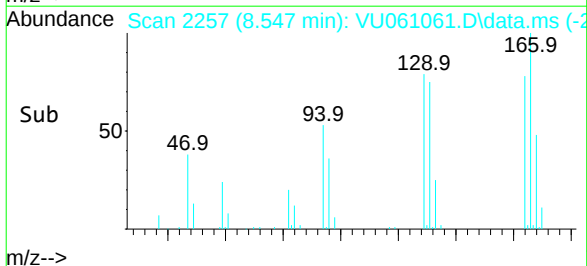
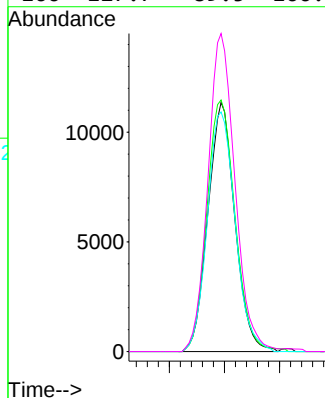
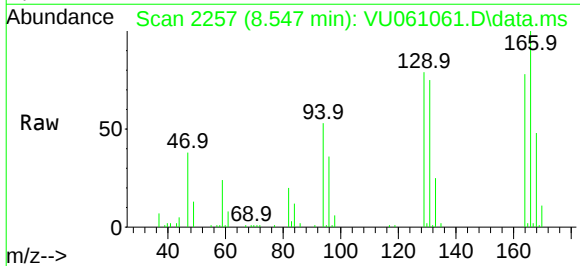
Ion Ratio Lower Upper

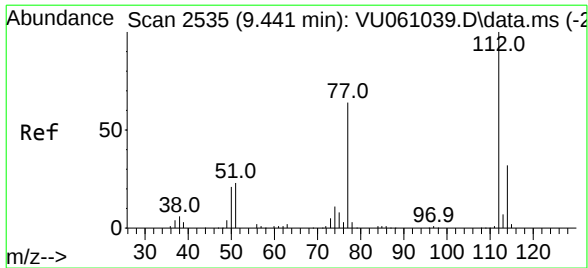
164 100

129 101.0 67.3 124.9

131 96.2 65.4 121.4

166 127.7 89.5 166.1





#51

Chlorobenzene

Concen: 2.100 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Instrument :

MSVOA_U

ClientSampleId :

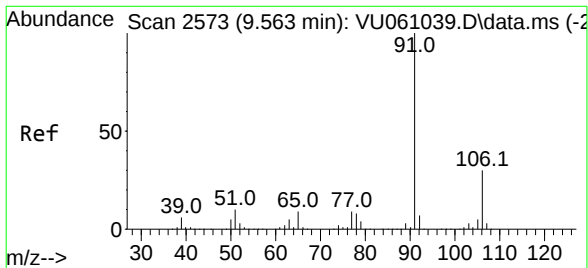
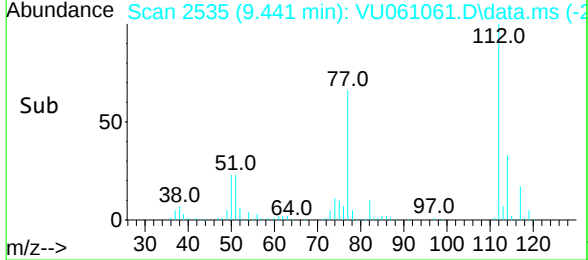
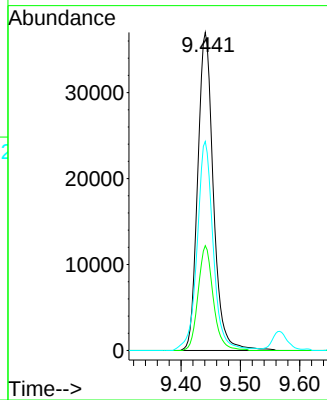
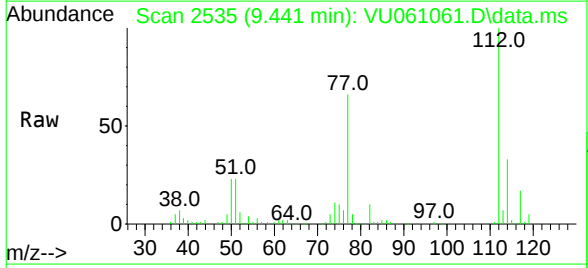
PMW-5(20240926)

Tgt Ion:	112	Resp:	67858
Ion Ratio	Lower	Upper	
112	100		
114	33.0	22.2	41.2
77	65.7	46.1	69.1

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Supervised By :Mahesh Dadoda 10/02/2024



#52

Ethylbenzene

Concen: 0.668 ug/L

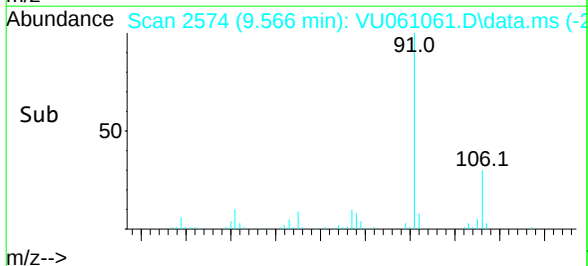
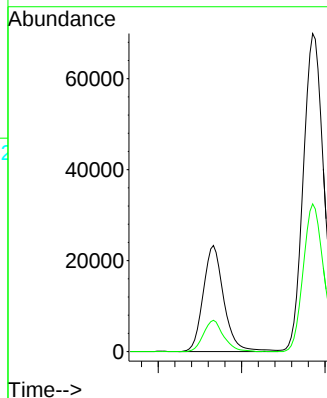
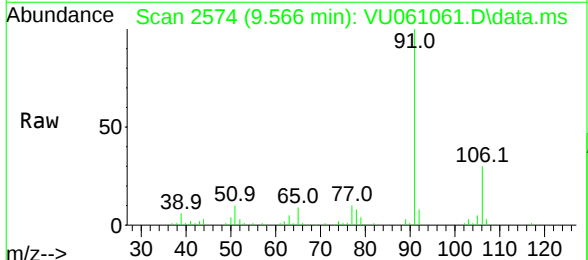
RT: 9.566 min Scan# 2574

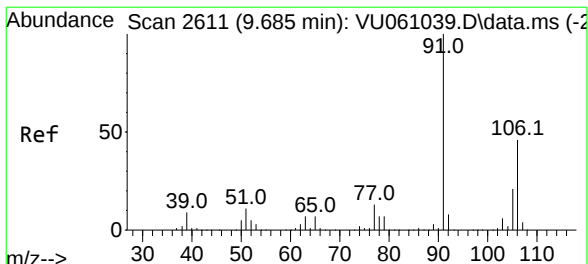
Delta R.T. 0.003 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Tgt Ion:	91	Resp:	40158
Ion Ratio	Lower	Upper	
91	100		
106	29.5	21.8	40.6



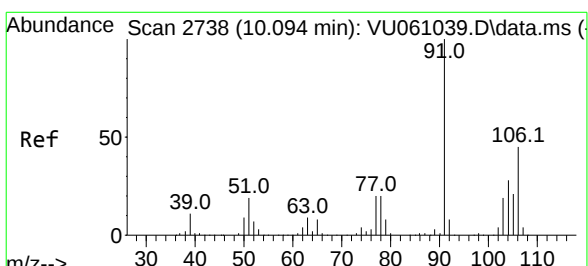
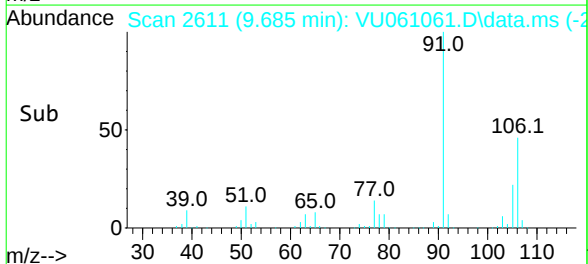
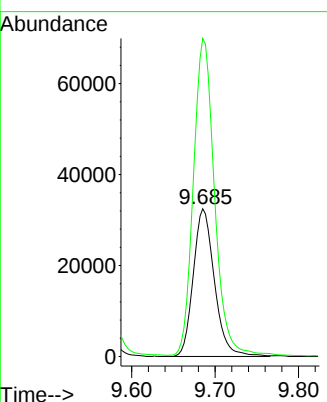
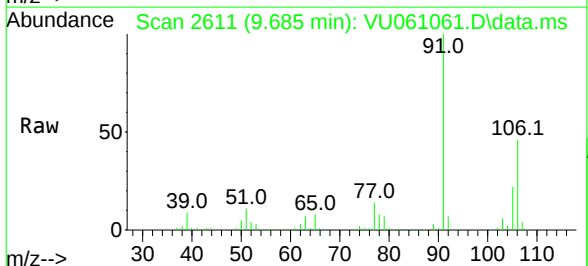


#53
 m,p-Xylene
 Concen: 2.612 ug/L
 RT: 9.685 min Scan# 2611
 Delta R.T. -0.000 min
 Lab File: VU061061.D
 Acq: 01 Oct 2024 22:17

Instrument : MSVOA_U
 ClientSampleId : PMW-5(20240926)

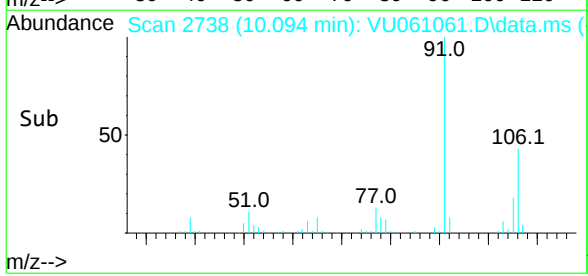
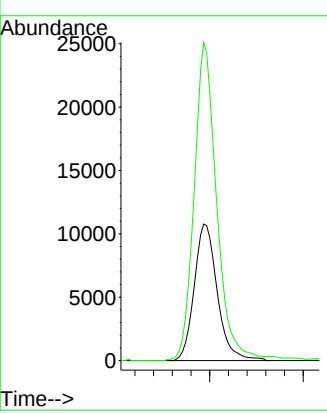
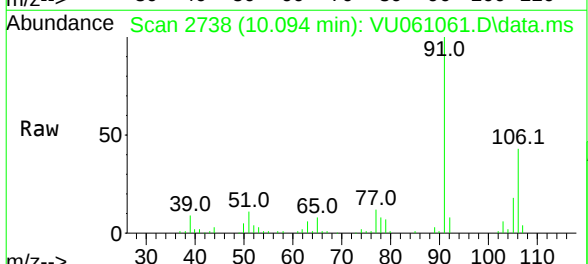
Tgt Ion:	106	Resp:	57283
Ion Ratio	Lower	Upper	
106	100		
91	215.3	139.7	259.4

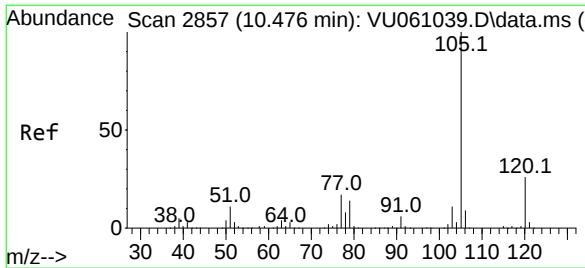
Manual Integrations
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 Reviewed By :Semsettin Yesilyurt 10/02/2024
 Supervised By :Mahesh Dadoda 10/02/2024



#54
 o-Xylene
 Concen: 0.854 ug/L
 RT: 10.094 min Scan# 2738
 Delta R.T. 0.003 min
 Lab File: VU061061.D
 Acq: 01 Oct 2024 22:17

Tgt Ion:	106	Resp:	18424
Ion Ratio	Lower	Upper	
106	100		
91	232.9	148.6	276.0





#60

Isopropylbenzene

Concen: 0.102 ug/L m

RT: 10.479 min Scan# 28

Delta R.T. 0.003 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Instrument :

MSVOA_U

ClientSampleId :

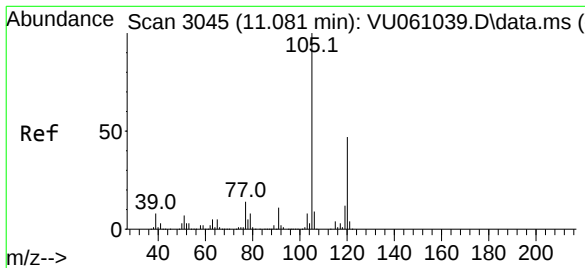
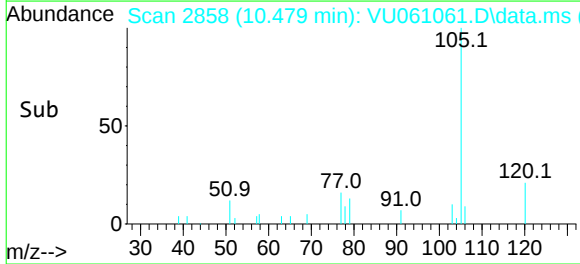
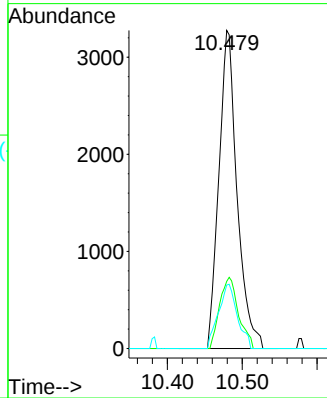
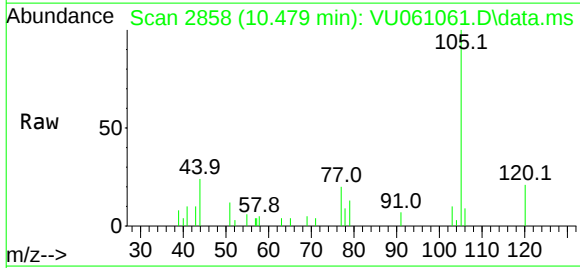
PMW-5(20240926)

Tgt Ion:	105	Resp:	5511
Ion Ratio	Lower	Upper	
105	100		
120	60.8	21.5	32.3#
77	27.8	12.6	18.8#

Manual Integrations

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#62

1,3,5-Trimethylbenzene

Concen: 0.226 ug/L

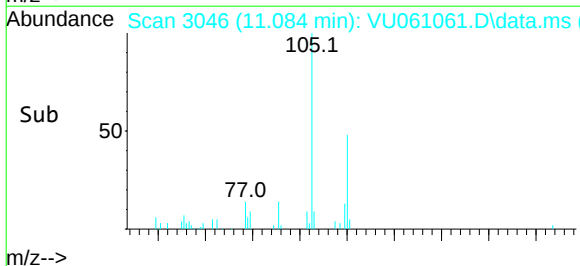
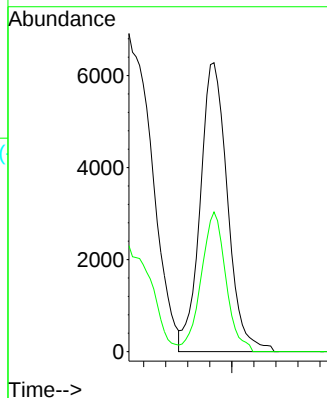
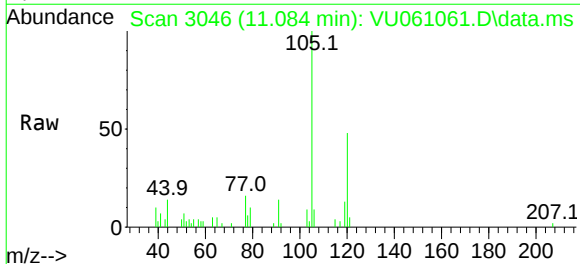
RT: 11.084 min Scan# 3046

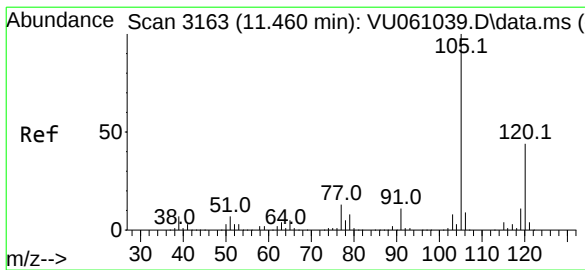
Delta R.T. 0.006 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Tgt Ion:	105	Resp:	10807
Ion Ratio	Lower	Upper	
105	100		
120	43.7	38.5	57.7





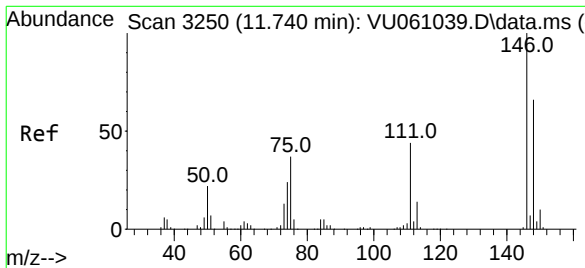
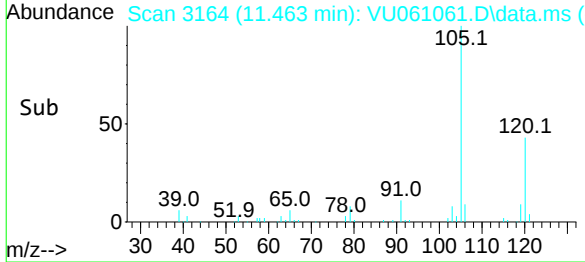
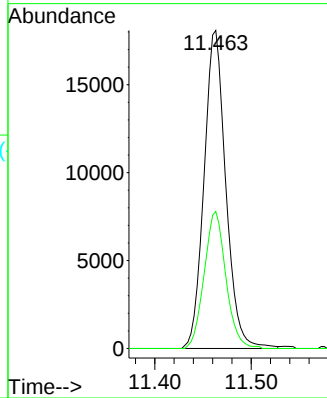
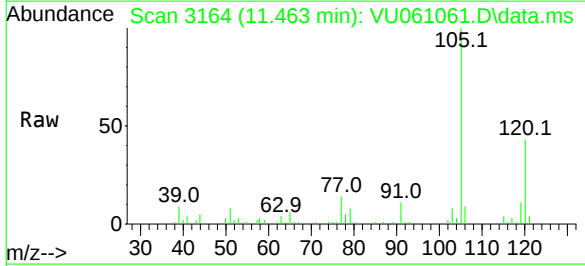
#63
1,2,4-Trimethylbenzene
Concen: 0.587 ug/L
RT: 11.463 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20240926)

Tgt Ion:105 Resp: 28358
Ion Ratio Lower Upper
105 100
120 43.0 36.1 54.1

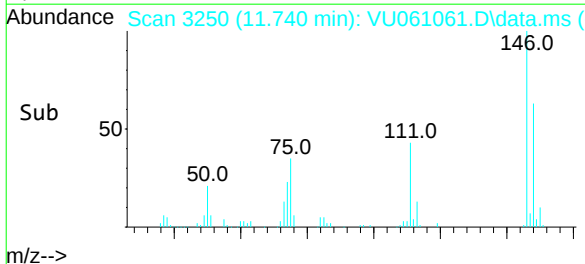
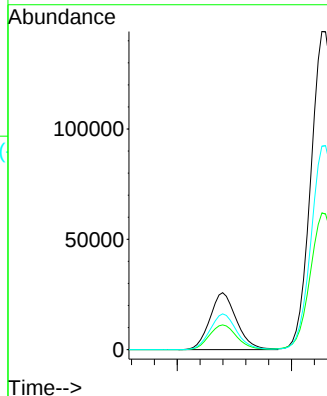
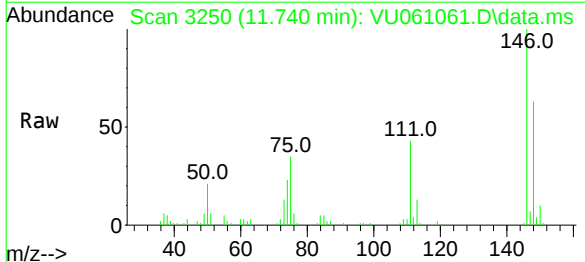
Manual Integrations
APPROVED

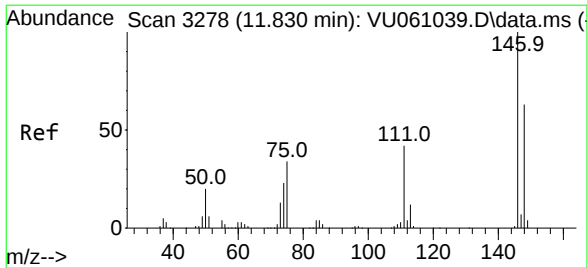
Reviewed By :Semsettin Yesilyurt 10/02/2024
Supervised By :Mahesh Dadoda 10/02/2024



#64
1,3-Dichlorobenzene
Concen: 1.793 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

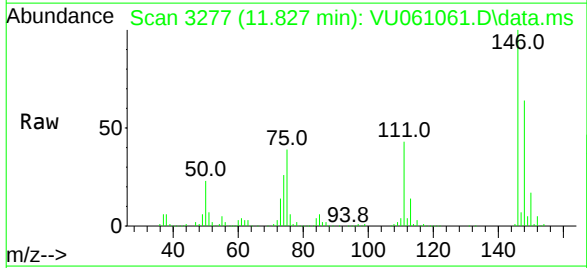
Tgt Ion:146 Resp: 41718
Ion Ratio Lower Upper
146 100
111 43.3 27.5 51.1
148 62.8 43.7 81.1





#65
1,4-Dichlorobenzene
Concen: 10.428 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

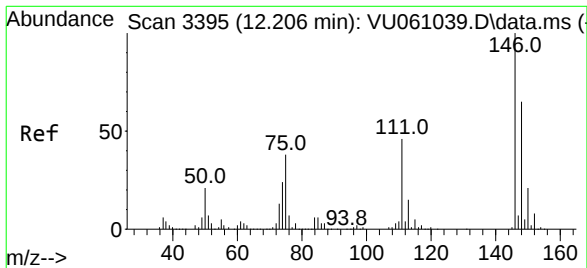
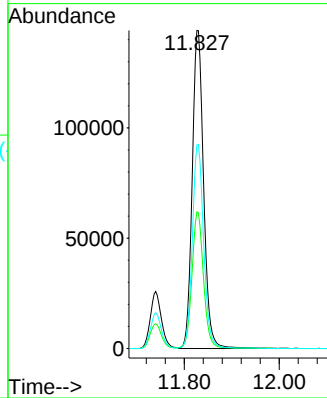
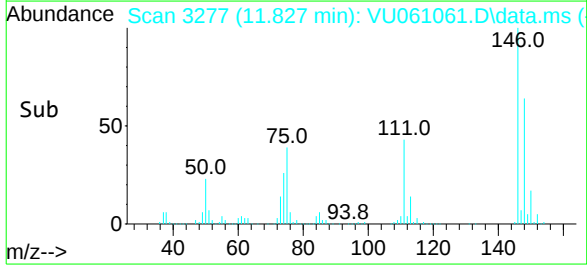
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20240926)



Tgt Ion:146 Resp: 239802
Ion Ratio Lower Upper
146 100
111 42.9 26.3 48.9
148 63.9 45.3 84.1

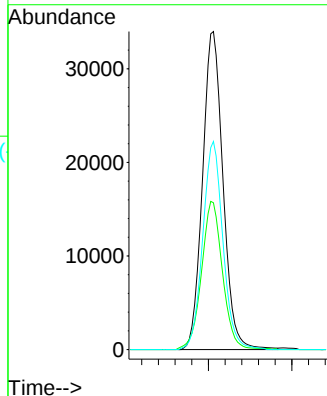
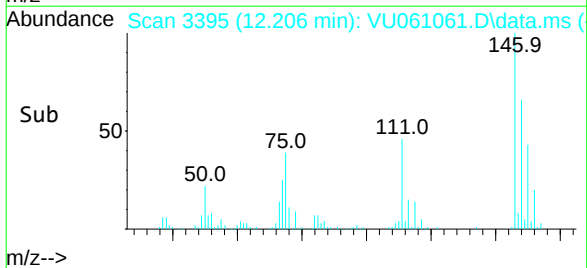
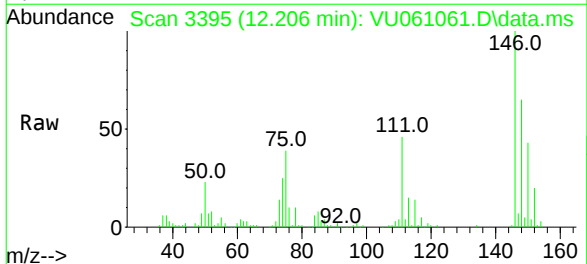
Manual Integrations
APPROVED

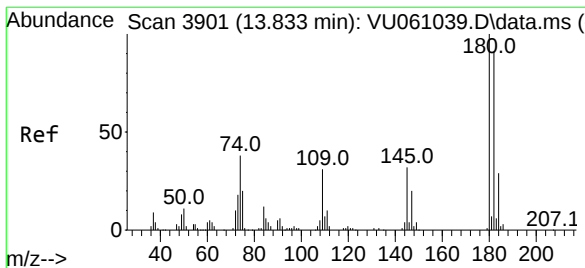
Reviewed By :Semsettin Yesilyurt 10/02/2024
Supervised By :Mahesh Dadoda 10/02/2024



#67
1,2-Dichlorobenzene
Concen: 2.697 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU061061.D
Acq: 01 Oct 2024 22:17

Tgt Ion:146 Resp: 57988
Ion Ratio Lower Upper
146 100
111 46.2 33.4 50.0
148 65.4 50.9 76.3





#70

1,2,4-trichlorobenzene

Concen: 40.489 ug/L

RT: 13.833 min Scan# 39

Delta R.T. -0.000 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Instrument :

MSVOA_U

ClientSampleId :

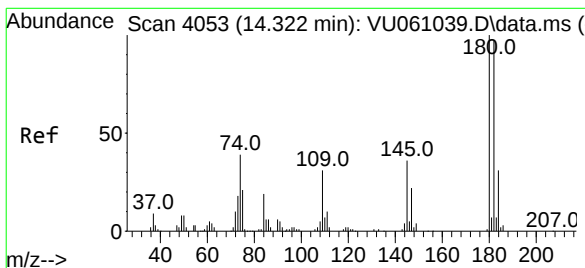
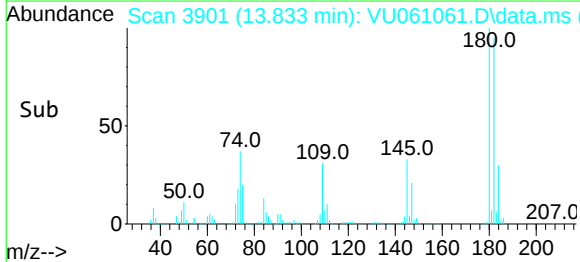
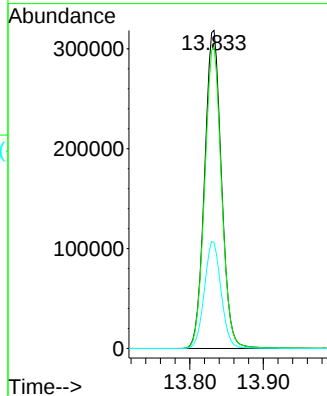
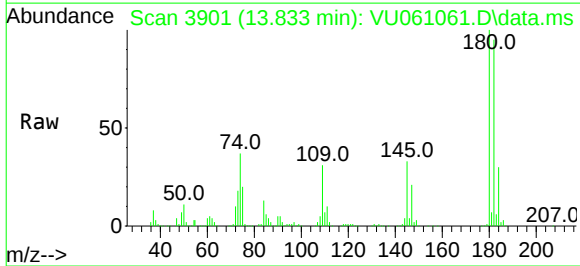
PMW-5(20240926)

Tgt Ion:	180	Resp:	508223
Ion Ratio	Lower	Upper	
180	100		
182	95.1	77.4	116.2
145	33.4	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/02/2024
Supervised By :Mahesh Dadoda 10/02/2024



#72

1,2,3-Trichlorobenzene

Concen: 8.510 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU061061.D

Acq: 01 Oct 2024 22:17

Tgt Ion:	180	Resp:	88895
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.7	113.5
145	35.6	23.5	35.3#

