

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055066.D
 Acq On : 02 Sep 2023 01:57
 Operator : MD/SY
 Sample : 04250-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4A2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023

Quant Time: Sep 02 04:11:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188976	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190663	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	101832	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	42649	4.815	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.911	69	46982	4.583	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.560	65	24915	4.937	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.800%
20) 2-Butanone-d5	4.637	46	126111	49.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.140%
24) Chloroform-d	5.058	84	118306	5.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.698	65	61631	5.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.724	84	233101	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.689	67	75251	5.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.894	98	209088	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.177	79	19429	4.713	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.634	63	92636	55.353	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55154	5.239	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	76292	5.133	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
5) Vinyl chloride	1.599	62	146046	12.383	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2312	0.232	ug/L #	71
12) 1,1-Dichloroethene	2.576	96	43701	5.002	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	59459	2.595	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	30910	3.487	ug/L	93
19) 1,1-Dichloroethane	3.869	63	15819	0.826	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	3892817	358.768	ug/L	98
25) Chloroform	5.084	83	53852	2.699	ug/L	88
31) Carbon tetrachloride	5.521	117	53428	3.896	ug/L	99
33) Benzene	5.772	78	79691	1.964	ug/L	100
34) Trichloroethene	6.537	95	19278131m	1709.421	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	10526	1.415	ug/L	94
47) Tetrachloroethene	8.550	164	56148	7.204	ug/L	95
51) Chlorobenzene	9.444	112	49427	1.725	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	22253	0.976	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	25394	1.118	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	20546	0.961	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	36387	2.253	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	17814	1.271	ug/L	98

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

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

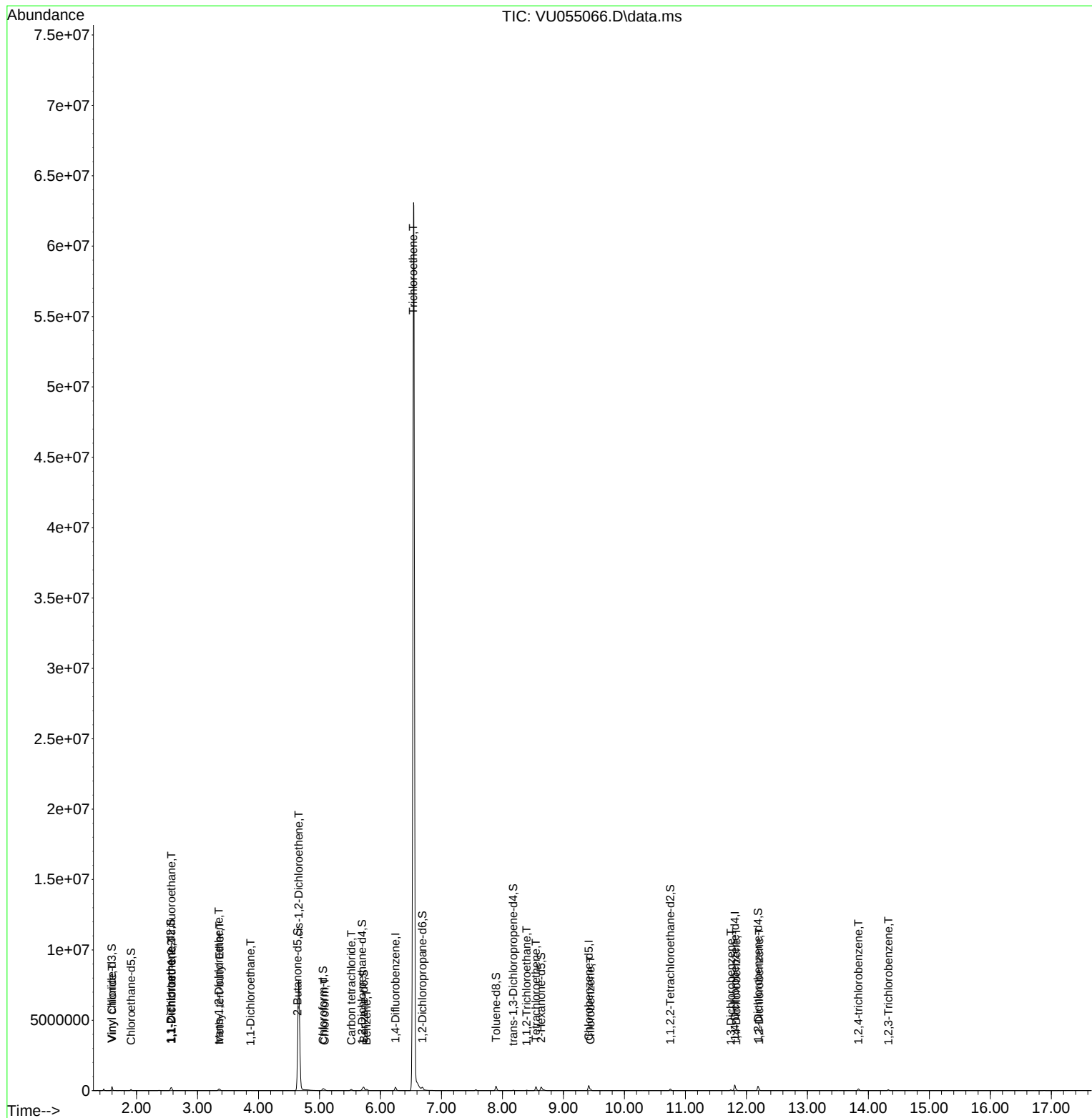
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
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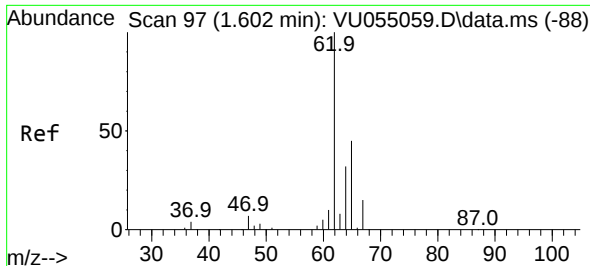
Instrument :
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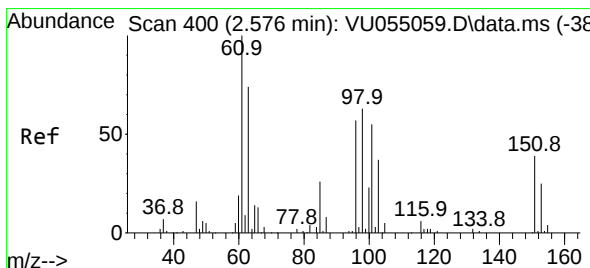
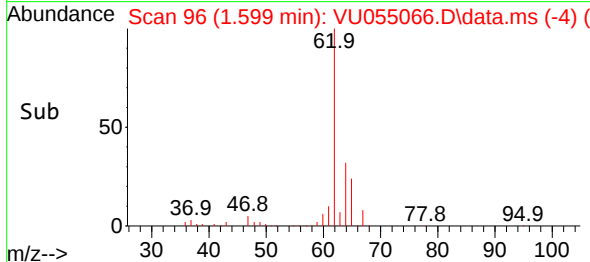
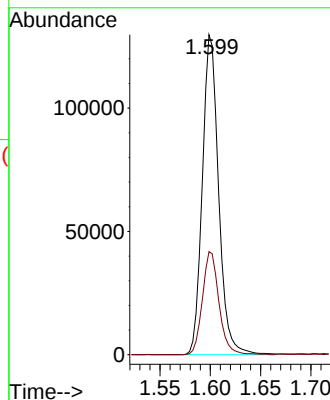
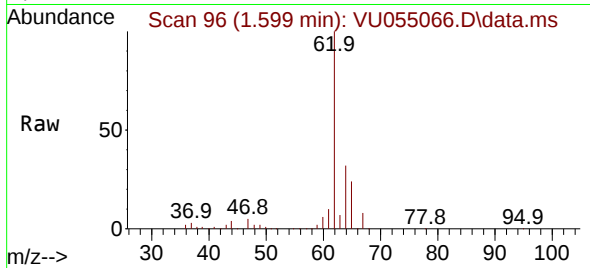
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 Vinyl chloride
 Concen: 12.383 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU055066.D
 Acq: 02 Sep 2023 01:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4A2

Tgt Ion: 62 Resp: 146040
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.2 45.0

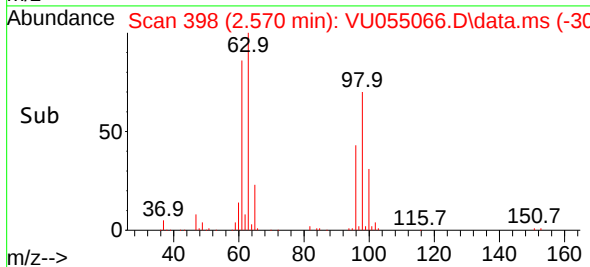
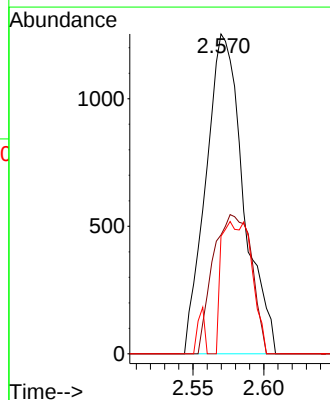
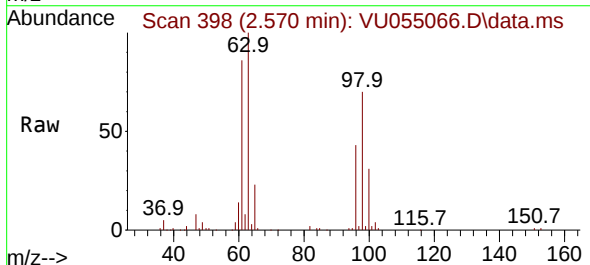
Manual Integrations
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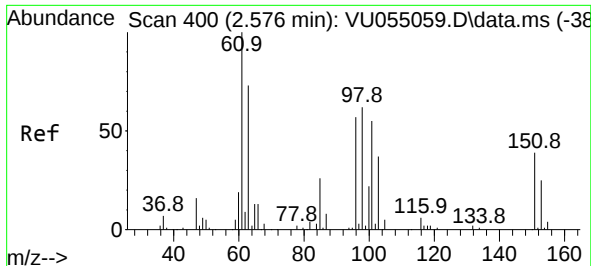
Reviewed By :Semsettin Yesilyurt 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.232 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU055066.D
 Acq: 02 Sep 2023 01:57

Tgt Ion:101 Resp: 2312
 Ion Ratio Lower Upper
 101 100
 85 44.6 37.3 55.9
 151 33.6 57.6 86.4#





#12

1,1-Dichloroethene

Concen: 5.002 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Instrument :

MSVOA_U

ClientSampleId :

BH4A2

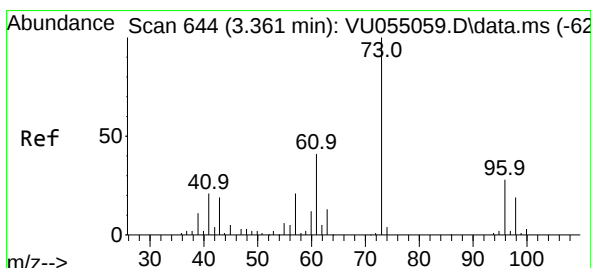
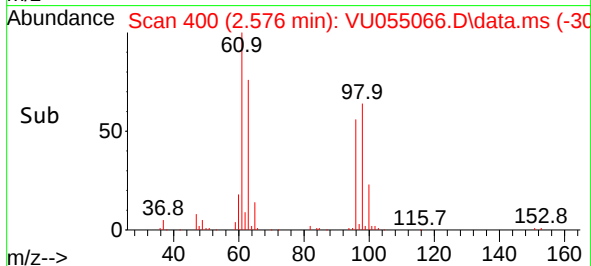
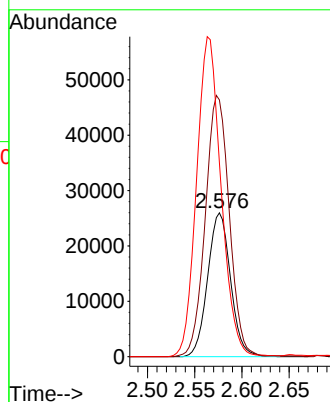
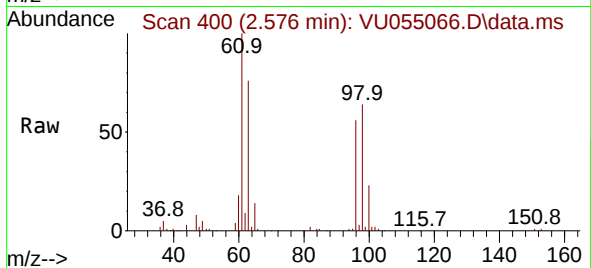
Tgt Ion: 96 Resp: 4370

Ion	Ratio	Lower	Upper
96	100		
61	178.4	120.8	224.4
63	134.8	94.5	175.5

Manual Integrations

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#17

Methyl tert-butyl Ether

Concen: 2.595 ug/L

RT: 3.361 min Scan# 644

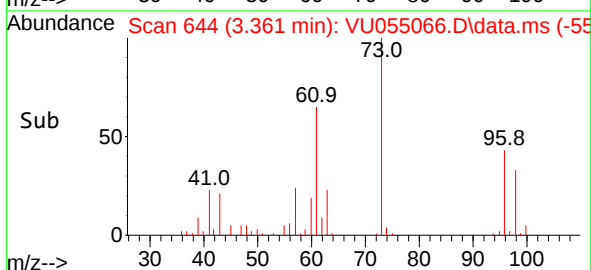
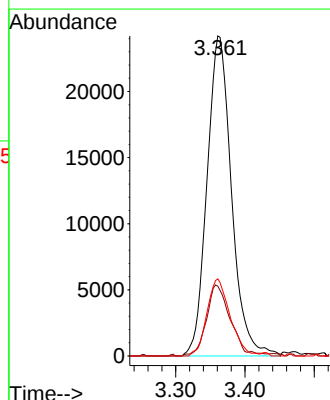
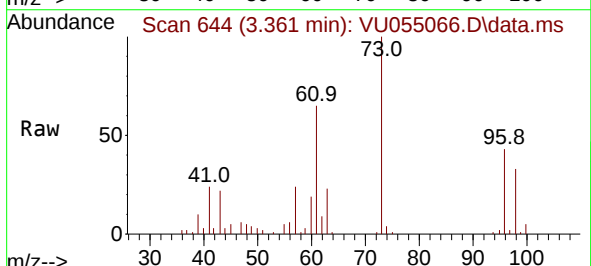
Delta R.T. -0.000 min

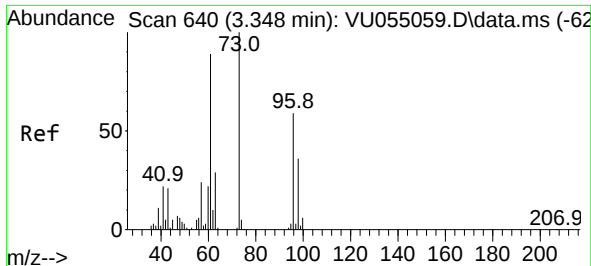
Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Tgt Ion: 73 Resp: 59459

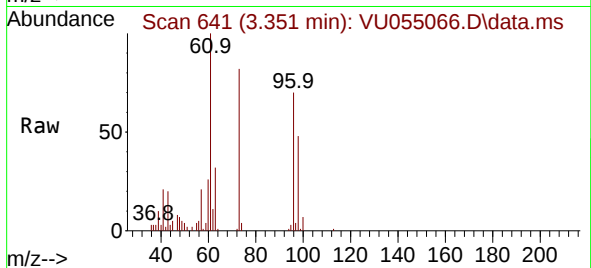
Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.2	24.2
57	22.7	17.4	26.2





#18
trans-1,2-Dichloroethene
Concen: 3.487 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57

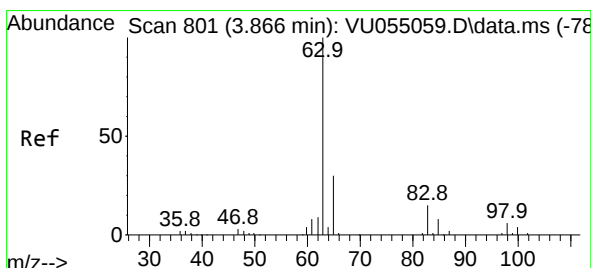
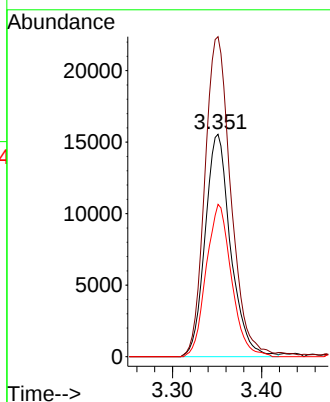
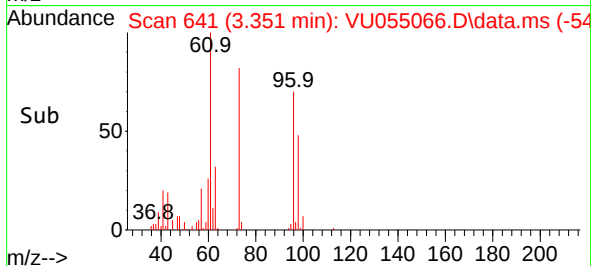
Instrument :
MSVOA_U
ClientSampleId :
BH4A2



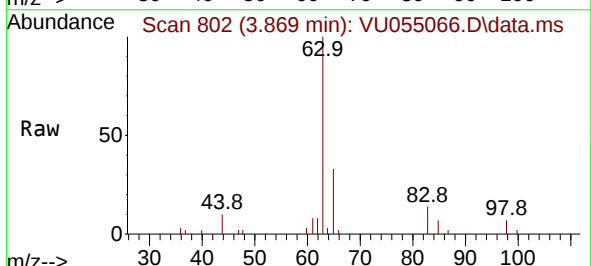
Tgt Ion: 96 Resp: 30910
Ion Ratio Lower Upper
96 100
61 143.9 108.1 200.9
98 68.5 45.4 84.4

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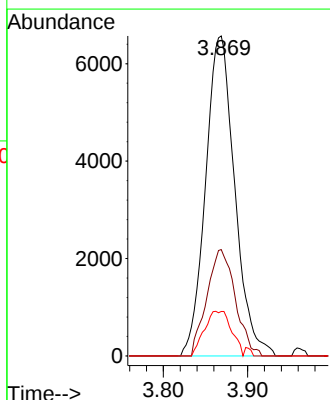
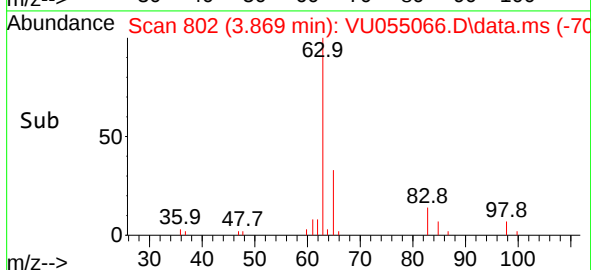
Reviewed By :Semsettin Yesilyurt 09/04/2023
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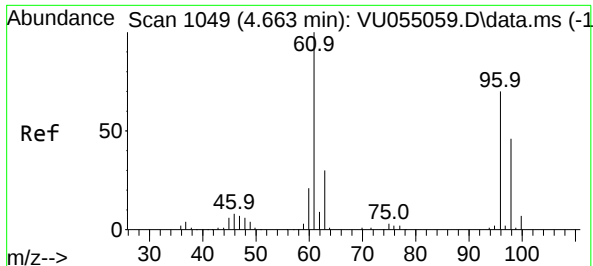


#19
1,1-Dichloroethane
Concen: 0.826 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57



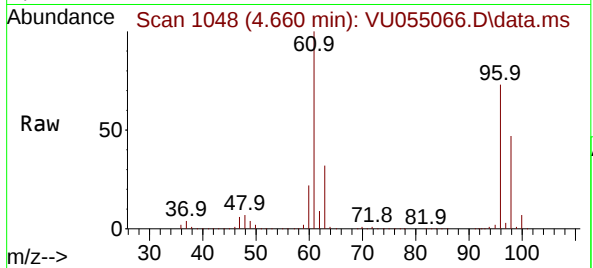
Tgt Ion: 63 Resp: 15819
Ion Ratio Lower Upper
63 100
65 32.5 22.2 41.2
83 13.5 10.6 19.8





#22
 cis-1,2-Dichloroethene
 Concen: 358.768 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU055066.D
 Acq: 02 Sep 2023 01:57

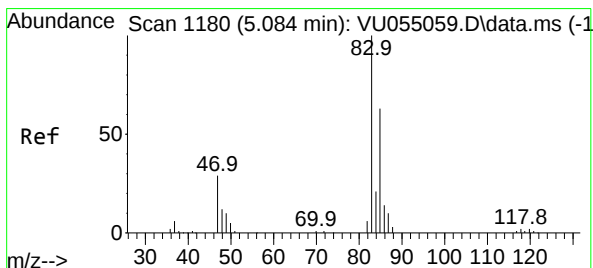
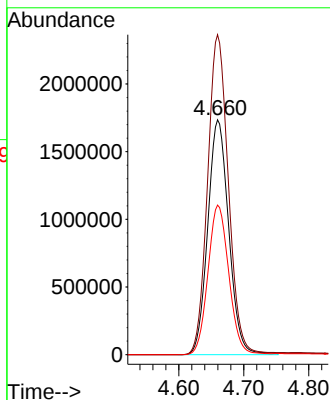
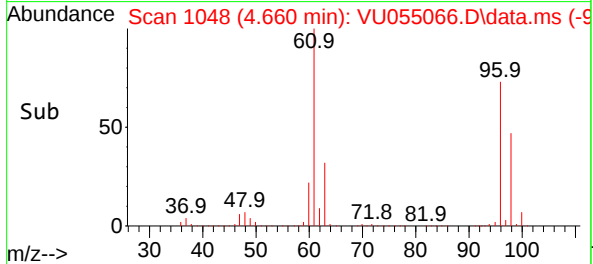
Instrument :
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Tgt Ion: 96 Resp: 389281
 Ion Ratio Lower Upper
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 98 63.7 46.1 85.7

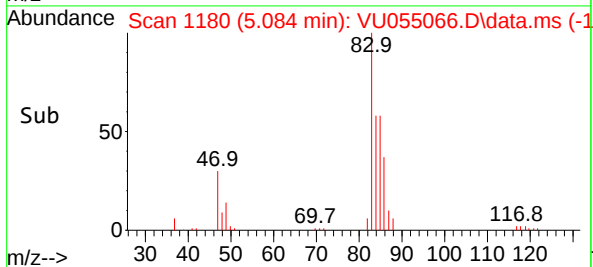
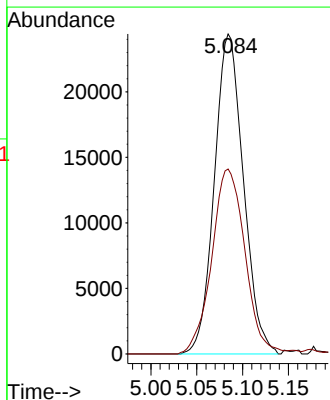
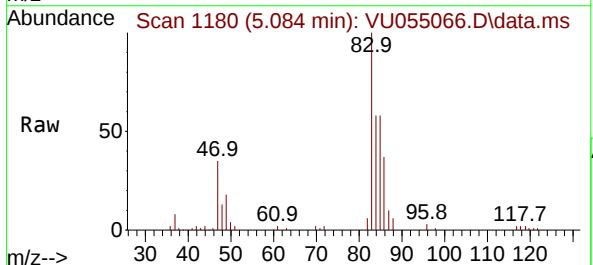
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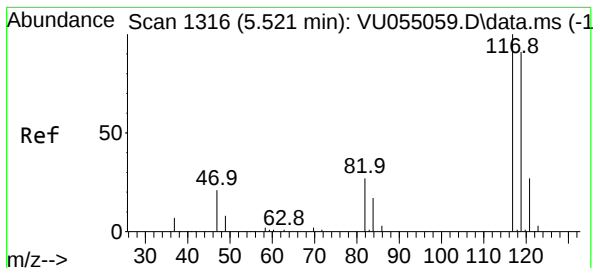
Reviewed By :Semsettin Yesilyurt 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023



#25
 Chloroform
 Concen: 2.699 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VU055066.D
 Acq: 02 Sep 2023 01:57

Tgt Ion: 83 Resp: 53852
 Ion Ratio Lower Upper
 83 100
 85 57.8 47.2 87.6





#31

Carbon tetrachloride

Concen: 3.896 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Instrument :

MSVOA_U

ClientSampleId :

BH4A2

Tgt Ion:117 Resp: 53428

Ion Ratio Lower Upper

117 100

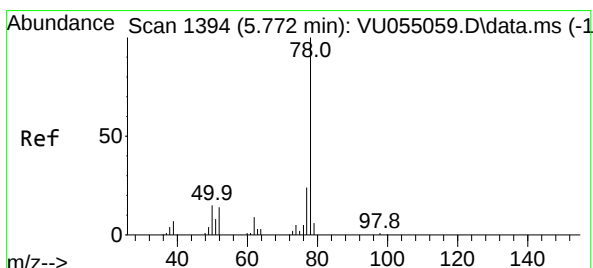
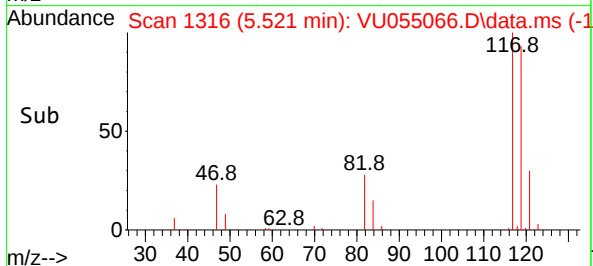
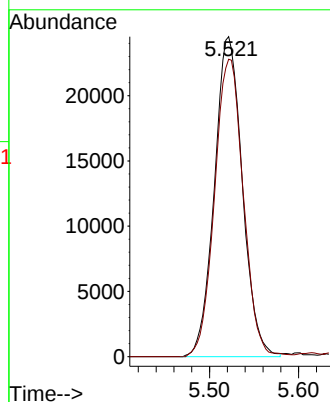
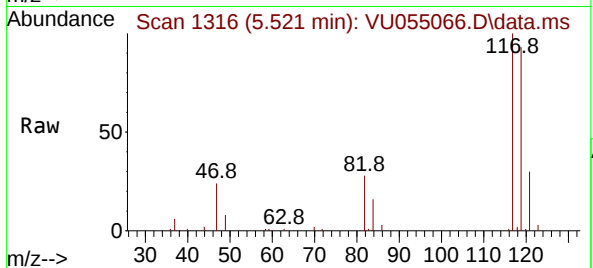
119 95.5 75.4 113.0

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#33

Benzene

Concen: 1.964 ug/L

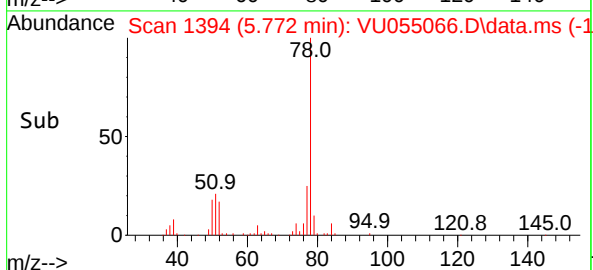
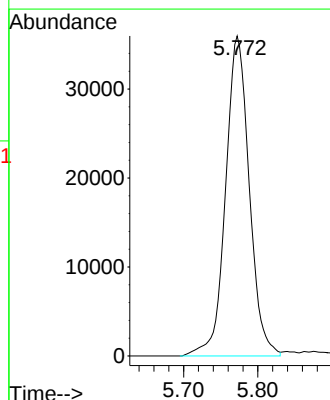
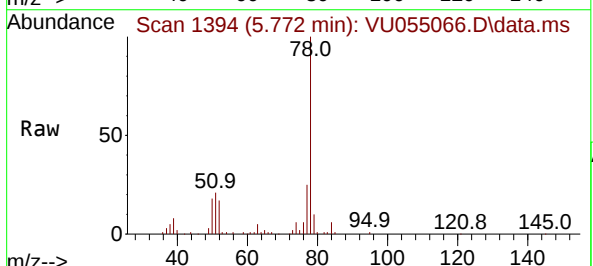
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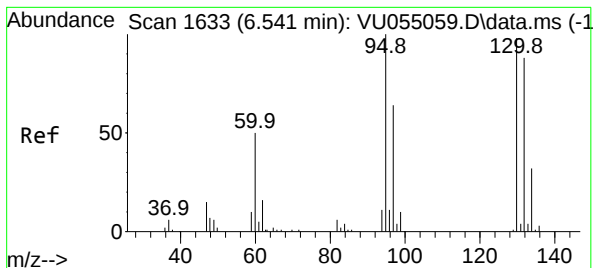
Delta R.T. -0.000 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Tgt Ion: 78 Resp: 79691





#34

Trichloroethene

Concen: 1709.421 ug/L m

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055066.D

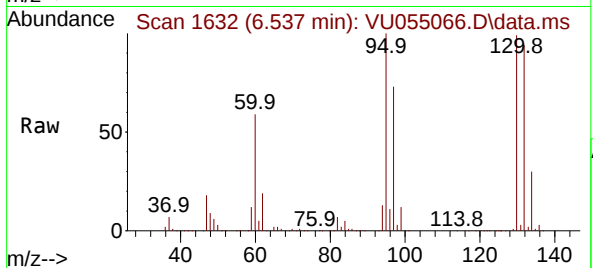
Acq: 02 Sep 2023 01:57

Instrument :

MSVOA_U

ClientSampleId :

BH4A2



Tgt Ion: 95 Resp: 1927813

Ion Ratio Lower Upper

95 100

97 73.3 44.7 83.1

132 93.6 66.6 123.6

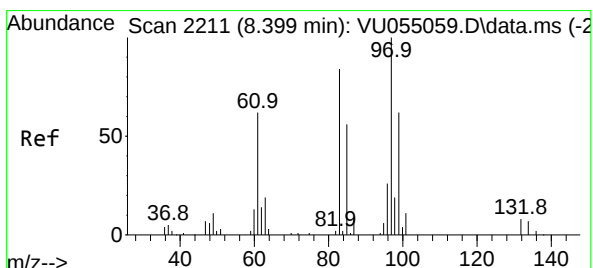
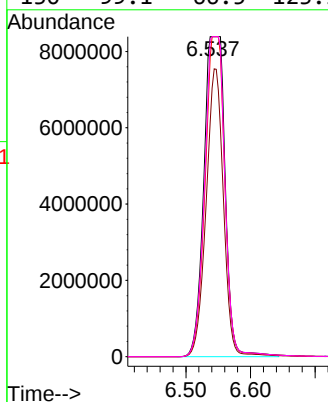
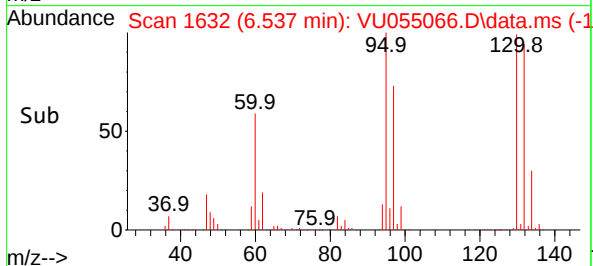
130 99.1 66.5 123.5

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Supervised By :Mahesh Dadoda 09/05/2023



#45

1,1,2-Trichloroethane

Concen: 1.415 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Tgt Ion: 97 Resp: 10526

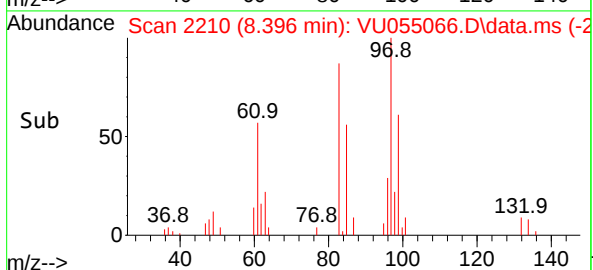
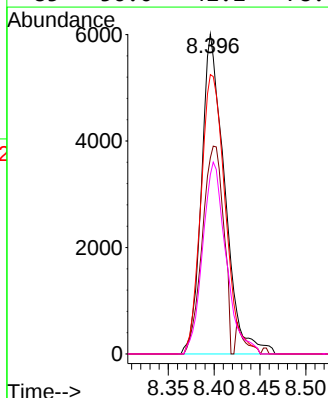
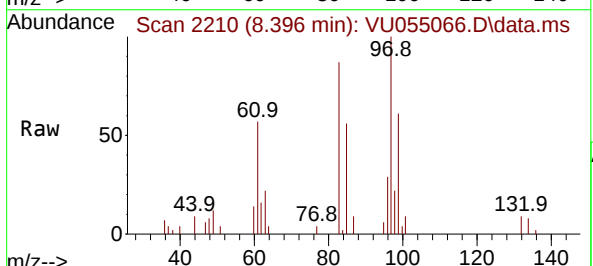
Ion Ratio Lower Upper

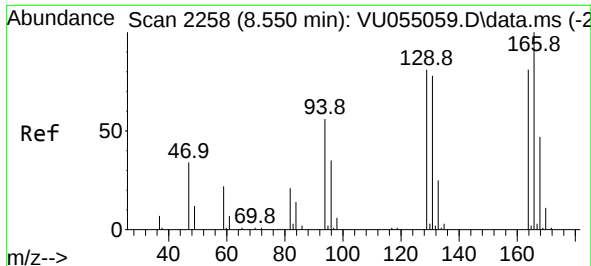
97 100

99 61.3 44.9 83.5

83 87.3 66.9 124.3

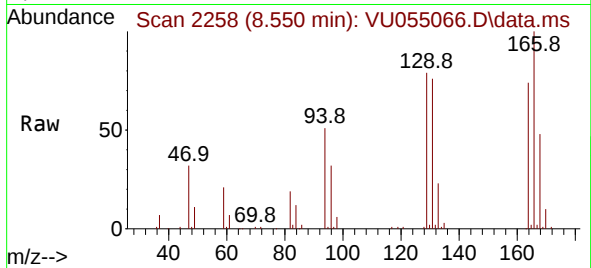
85 56.0 42.2 78.4





#47
Tetrachloroethene
Concen: 7.204 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57

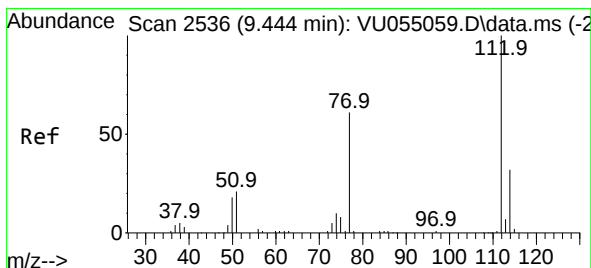
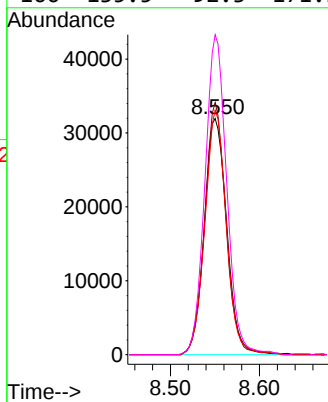
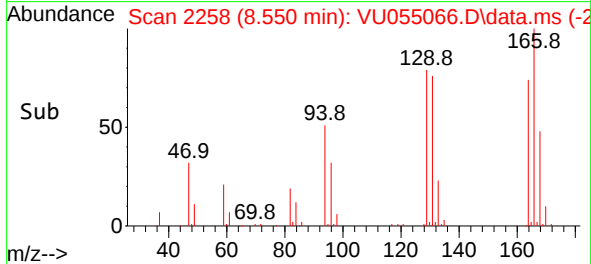
Instrument :
MSVOA_U
ClientSampleId :
BH4A2



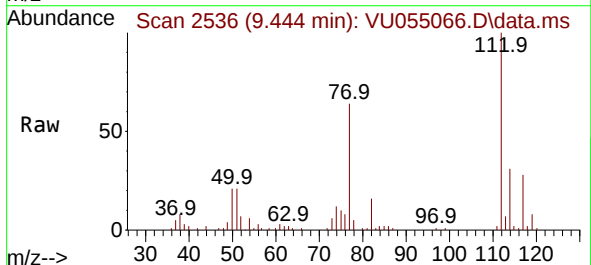
Tgt Ion:164 Resp: 5614
Ion Ratio Lower Upper
164 100
129 106.8 69.2 128.6
131 103.6 68.8 127.8
166 135.5 92.3 171.5

Manual Integrations
APPROVED

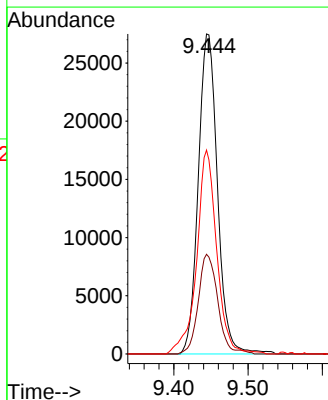
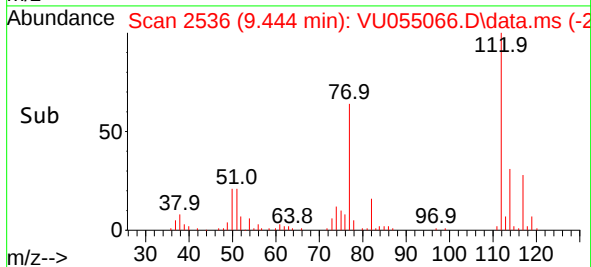
Reviewed By :Semsettin Yesilyurt 09/04/2023
Supervised By :Mahesh Dadoda 09/05/2023

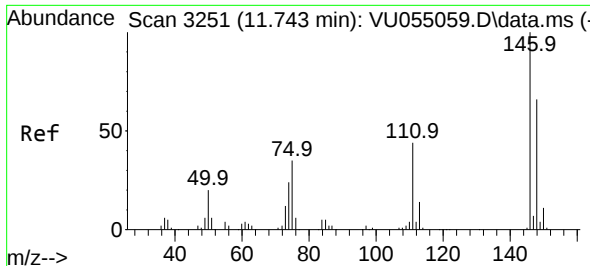


#51
Chlorobenzene
Concen: 1.725 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57



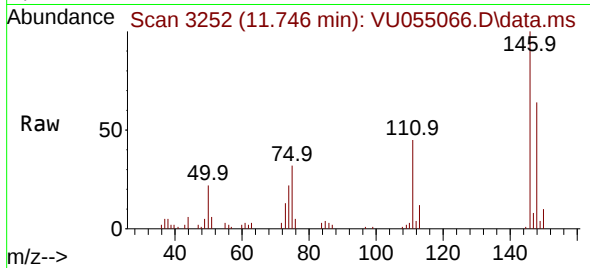
Tgt Ion:112 Resp: 49427
Ion Ratio Lower Upper
112 100
114 31.1 21.7 40.3
77 63.7 48.6 72.8





#64
1,3-Dichlorobenzene
Concen: 0.976 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57

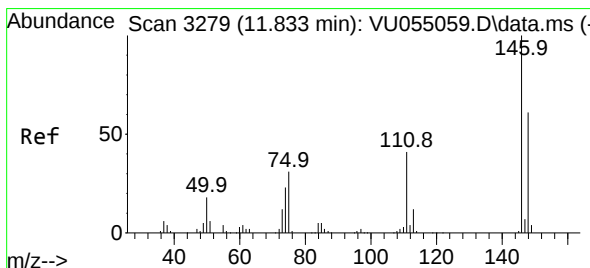
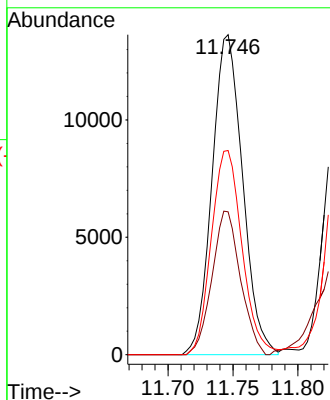
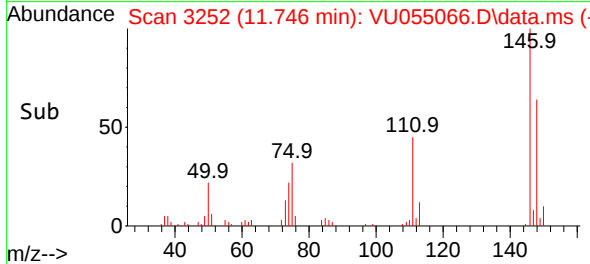
Instrument :
MSVOA_U
ClientSampleId :
BH4A2



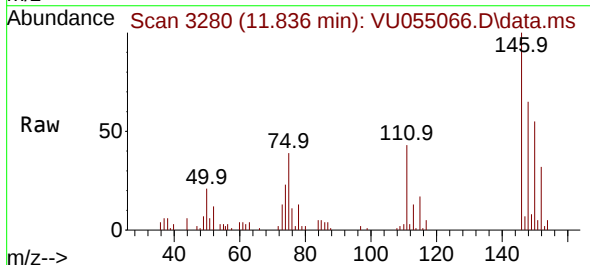
Tgt Ion:146 Resp: 2225
Ion Ratio Lower Upper
146 100
111 44.6 30.0 55.6
148 63.8 45.2 84.0

Manual Integrations
APPROVED

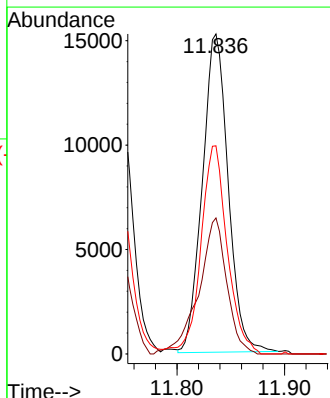
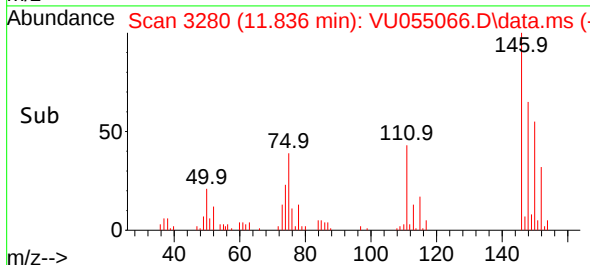
Reviewed By :Semsettin Yesilyurt 09/04/2023
Supervised By :Mahesh Dadoda 09/05/2023

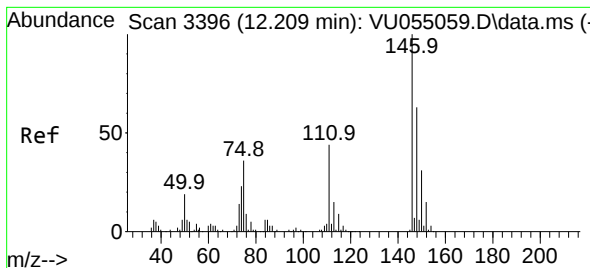


#65
1,4-Dichlorobenzene
Concen: 1.118 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055066.D
Acq: 02 Sep 2023 01:57



Tgt Ion:146 Resp: 25394
Ion Ratio Lower Upper
146 100
111 42.5 28.1 52.1
148 65.0 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.961 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Instrument :

MSVOA_U

ClientSampleId :

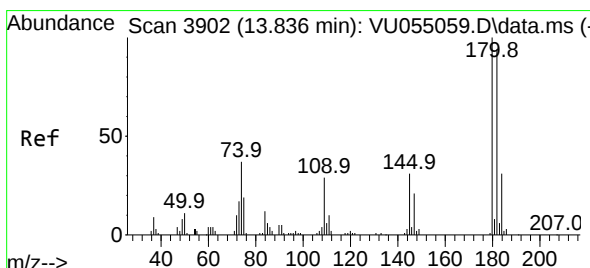
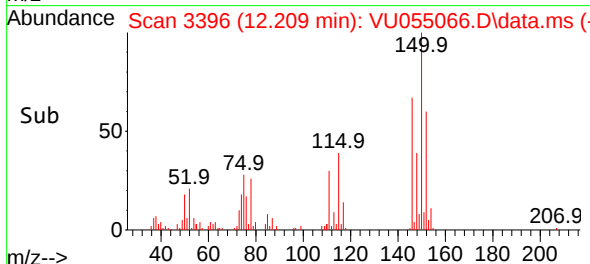
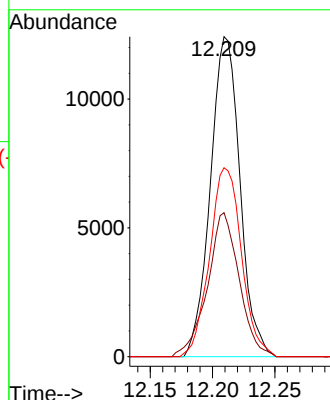
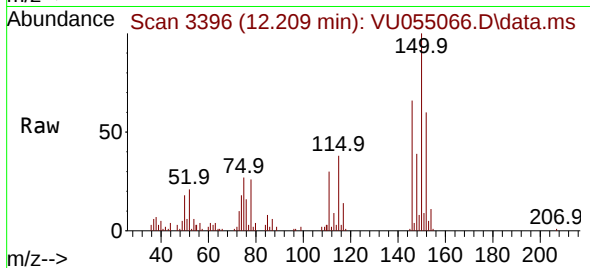
BH4A2

Tgt Ion:	146	Resp:	20540
Ion Ratio	Lower	Upper	
146	100		
111	45.0	35.6	53.4
148	59.0	51.3	76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023
Supervised By :Mahesh Dadoda 09/05/2023



#70

1,2,4-trichlorobenzene

Concen: 2.253 ug/L

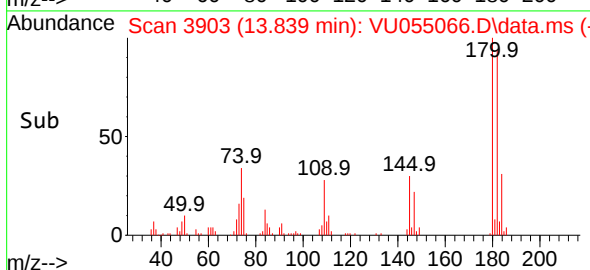
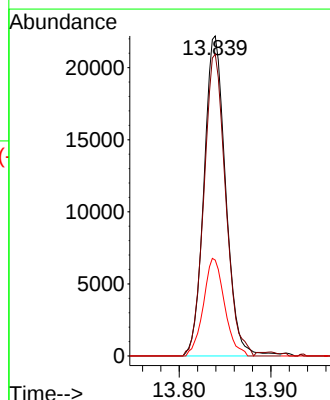
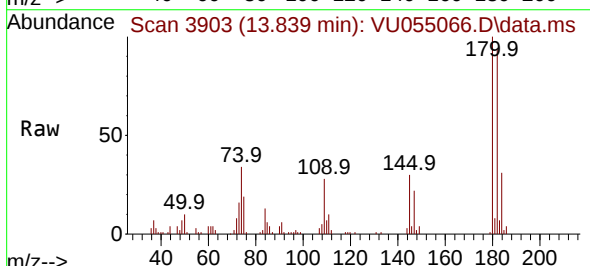
RT: 13.839 min Scan# 3903

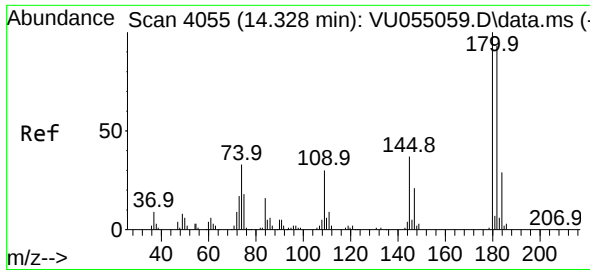
Delta R.T. 0.003 min

Lab File: VU055066.D

Acq: 02 Sep 2023 01:57

Tgt Ion:	180	Resp:	36387
Ion Ratio	Lower	Upper	
180	100		
182	94.4	73.6	110.4
145	29.8	25.8	38.8





#72

1,2,3-Trichlorobenzene

Concen: 1.271 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.000 min

Lab File: VU055066.D

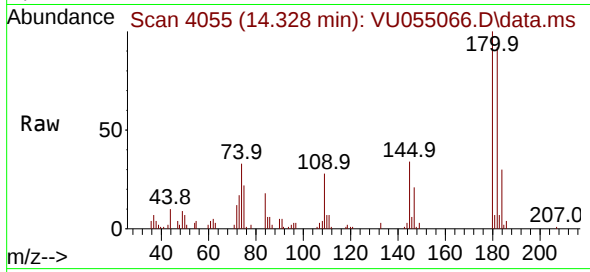
Acq: 02 Sep 2023 01:57

Instrument :

MSVOA_U

ClientSampleId :

BH4A2



Tgt Ion:180 Resp: 17814

Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

145 35.4 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023

Supervised By :Mahesh Dadoda 09/05/2023

