

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057847.D
 Acq On : 07 Feb 2024 18:00
 Operator : MD/SY
 Sample : P1081-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B39

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
 Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 08 01:29:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	271497	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.438	117	262805	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.827	152	154430	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	103004	47.400	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.800%		
7) Chloroethane-d5	1.879	69	77285	45.844	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.680%		
11) 1,1-Dichloroethene-d2	2.554	63	134029	33.582	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.160%		
21) 2-Butanone-d5	4.621	46	82541	68.442	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	68.440%		
24) Chloroform-d	5.052	84	175181	45.444	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.880%		
26) 1,2-Dichloroethane-d4	5.695	65	114581	46.888	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.780%		
32) Benzene-d6	5.721	84	352516	44.401	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.800%		
36) 1,2-Dichloropropane-d6	6.682	67	110266	43.980	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.960%		
41) Toluene-d8	7.891	98	315360	43.814	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.620%		
43) trans-1,3-Dichloroprop...	8.177	79	56970	46.449	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.900%		
47) 2-Hexanone-d5	8.637	63	108462	105.983	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.980%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	173699	53.221	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.440%		
66) 1,2-Dichlorobenzene-d4	12.209	152	133974	45.156	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.320%		
Target Compounds						
					Qvalue	
13) Acetone	2.621	43	11149	7.196	ug/L	98
25) Chloroform	5.075	83	154336	41.223	ug/L	100
29) Cyclohexane	5.380	56	19386	5.669	ug/L	99
31) Carbon tetrachloride	5.518	117	21260	7.203	ug/L	98
33) Benzene	5.753	78	28209067m	3390.784	ug/L	
35) Methylcyclohexane	6.756	83	6030	1.685	ug/L #	85
42) Toluene	7.968	91	14421	1.655	ug/L	98
46) Tetrachloroethene	8.550	164	2873	1.852	ug/L	98
51) Chlorobenzene	9.441	112	42750092m	7725.425	ug/L	
64) 1,3-Dichlorobenzene	11.753	146	10384429	2124.407	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	30324743m	6048.253	ug/L	
67) 1,2-Dichlorobenzene	12.213	146	30456461m	6180.677	ug/L	
70) 1,2,4-trichlorobenzene	13.840	180	5055881	1719.130	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	1530692	556.242	ug/L	100

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

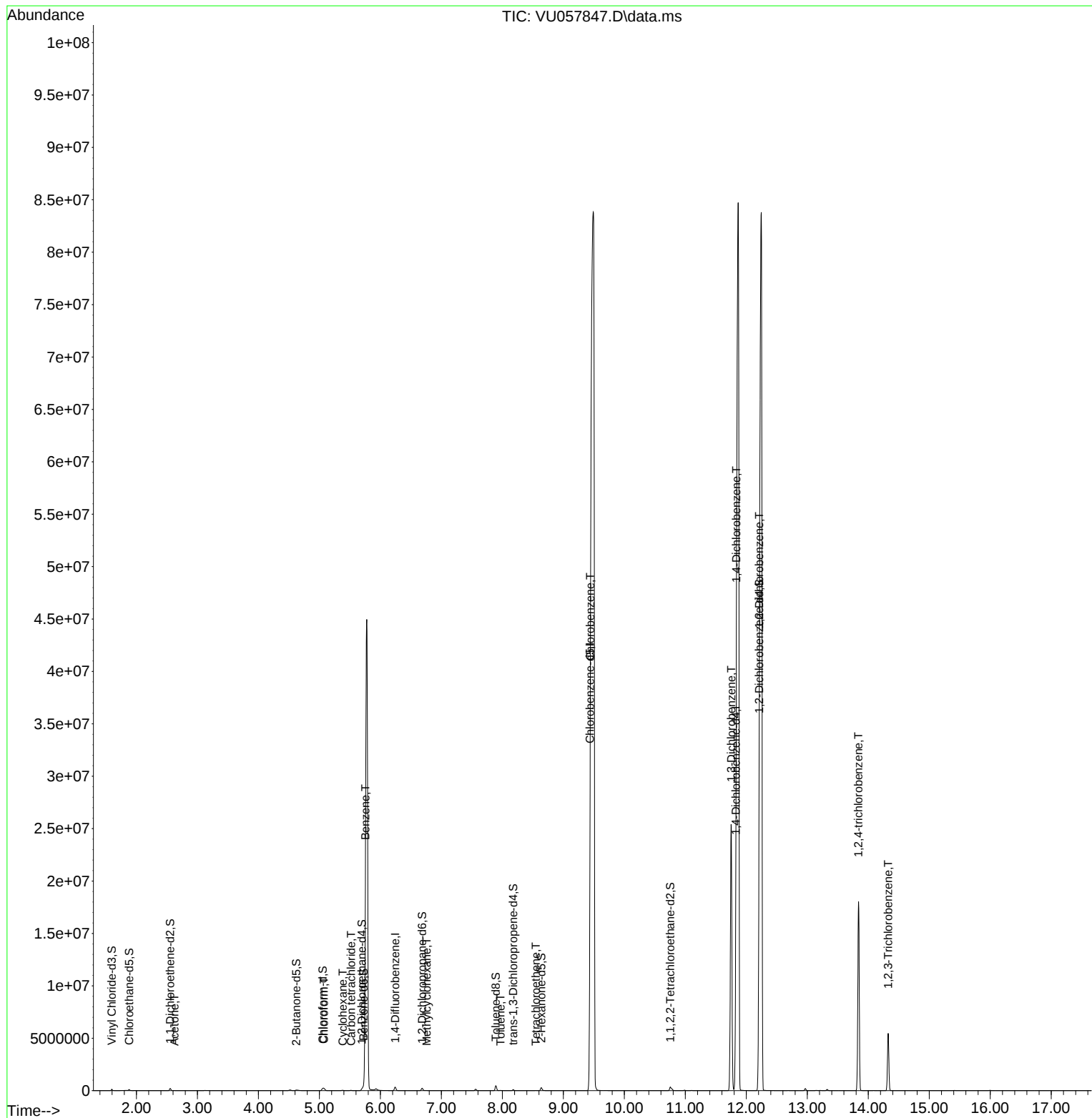
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057847.D
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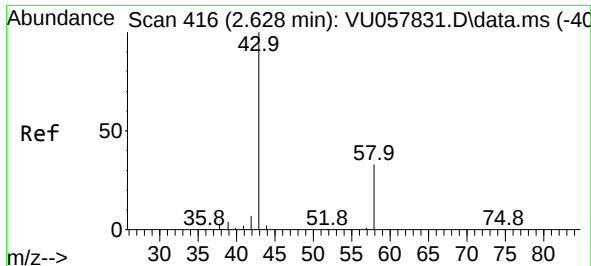
Instrument :
MSVOA_U
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 7.196 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

C0B39

Tgt Ion: 43 Resp: 11149

Ion Ratio Lower Upper

43 100

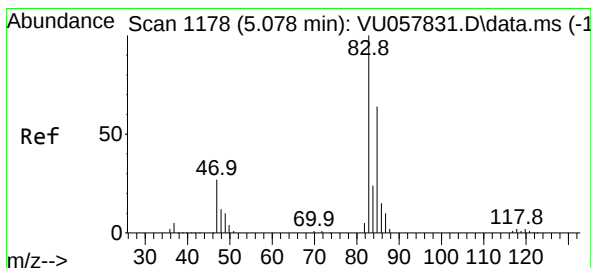
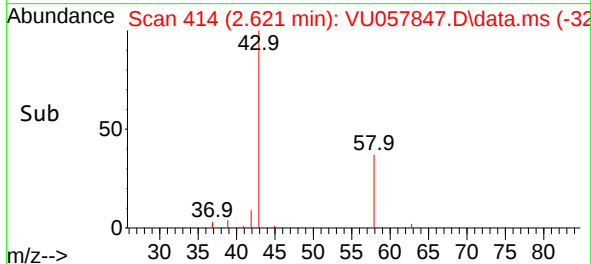
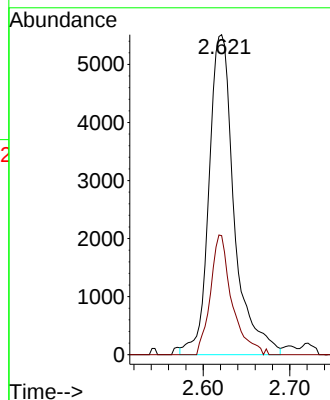
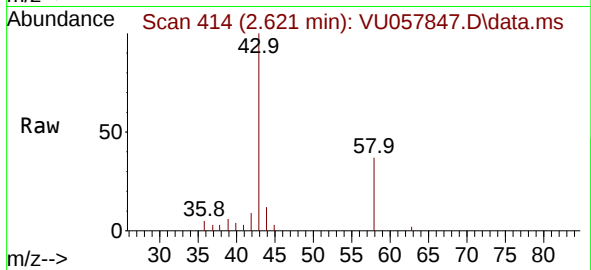
58 31.7 0.0 65.8

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#25

Chloroform

Concen: 41.223 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU057847.D

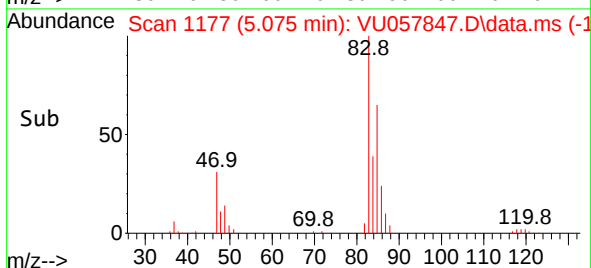
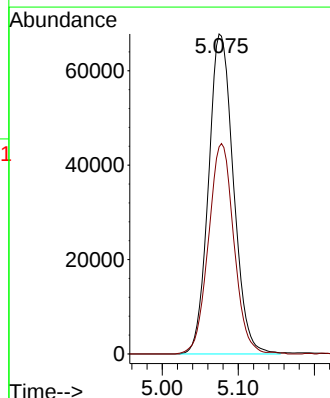
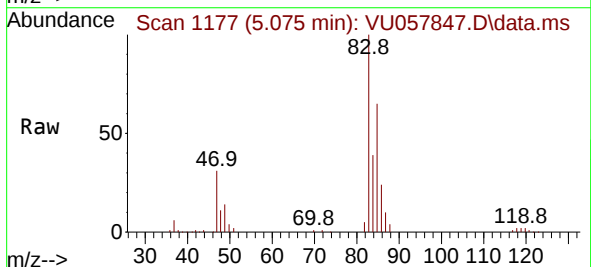
Acq: 07 Feb 2024 18:00

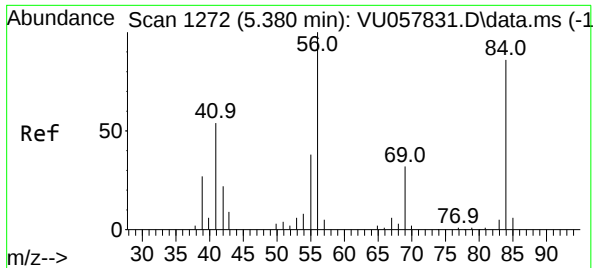
Tgt Ion: 83 Resp: 154336

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6





#29

Cyclohexane

Concen: 5.669 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU057847.D

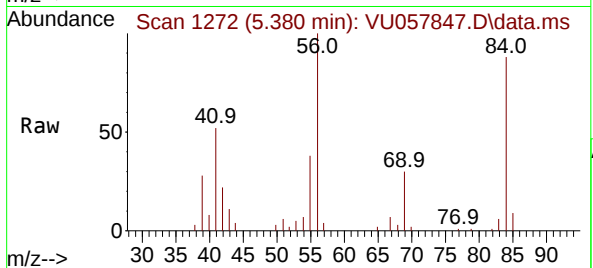
Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

C0B39

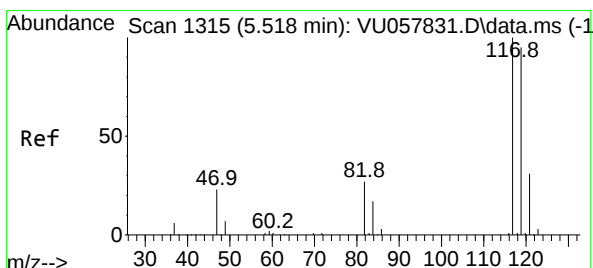
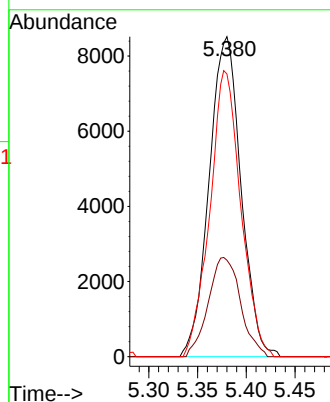
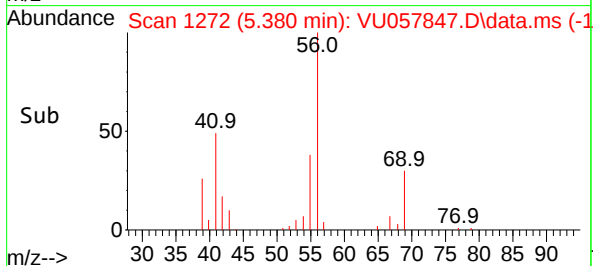


Tgt Ion:	56	Resp:	1938
Ion Ratio	Lower	Upper	
56	100		
69	31.3	25.4	38.0
84	86.6	70.4	105.6

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#31

Carbon tetrachloride

Concen: 7.203 ug/L

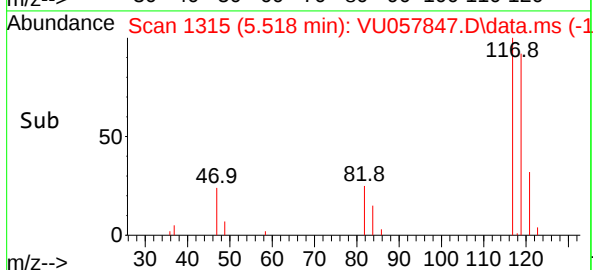
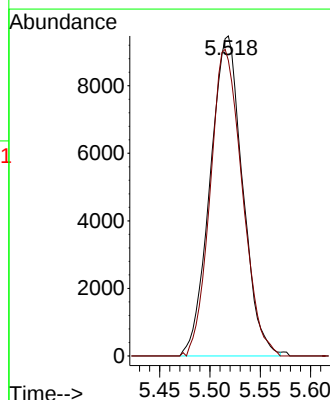
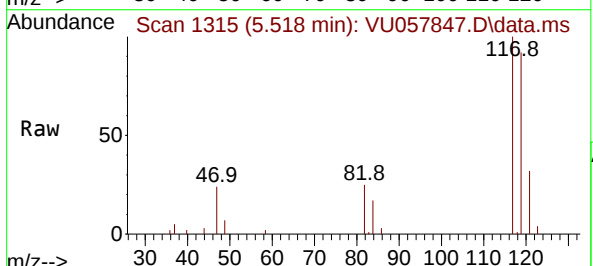
RT: 5.518 min Scan# 1315

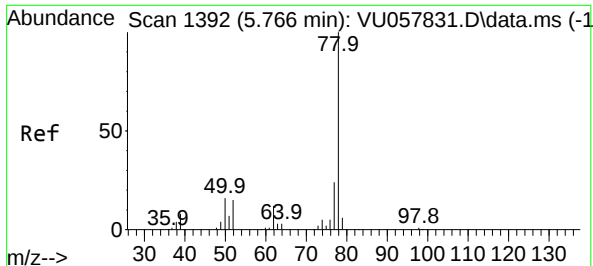
Delta R.T. 0.000 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Tgt Ion:	117	Resp:	21260
Ion Ratio	Lower	Upper	
117	100		
119	94.2	76.7	115.1





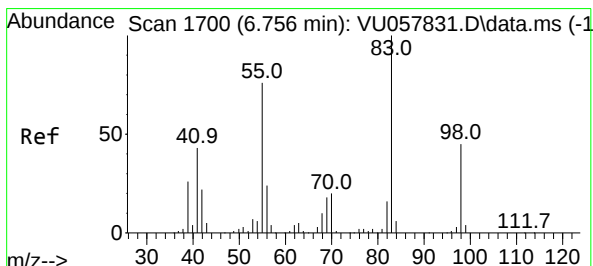
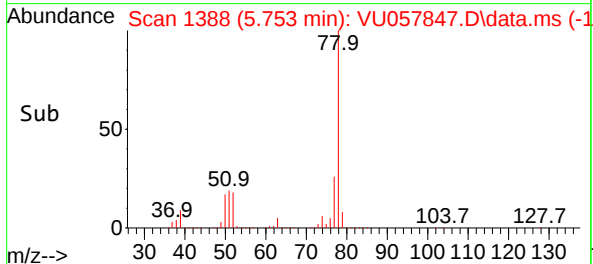
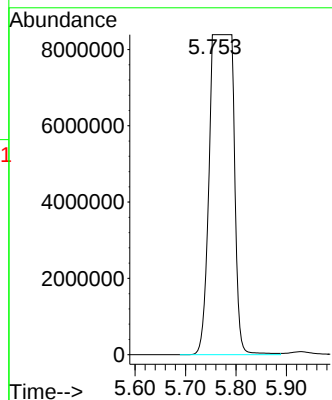
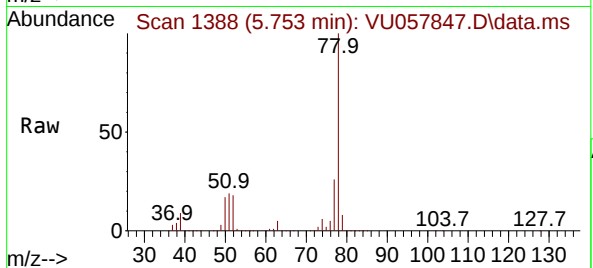
#33
Benzene
Concen: 3390.784 ug/L m
RT: 5.753 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Instrument :
MSVOA_U
ClientSampleId :
C0B39

Tgt Ion: 78 Resp:2820906

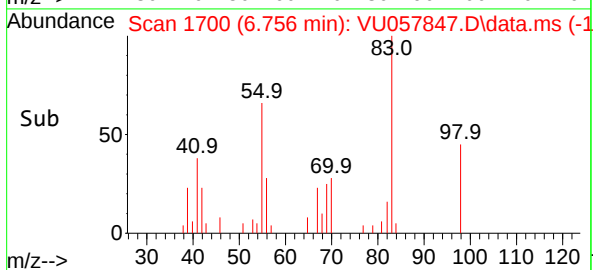
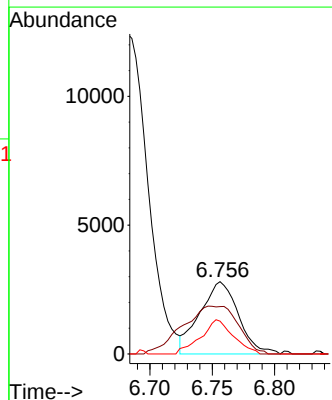
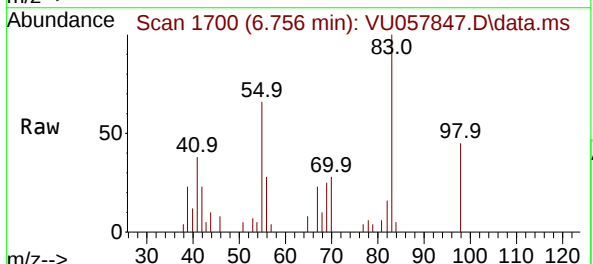
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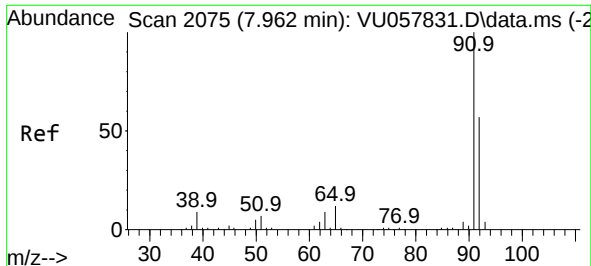
Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



#35
Methylcyclohexane
Concen: 1.685 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 83 Resp: 6030
Ion Ratio Lower Upper
83 100
55 59.0 59.9 89.9#
98 39.7 36.8 55.2





#42

Toluene

Concen: 1.655 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_U

ClientSampleId :

C0B39

Tgt Ion: 91 Resp: 1442

Ion Ratio Lower Upper

91 100

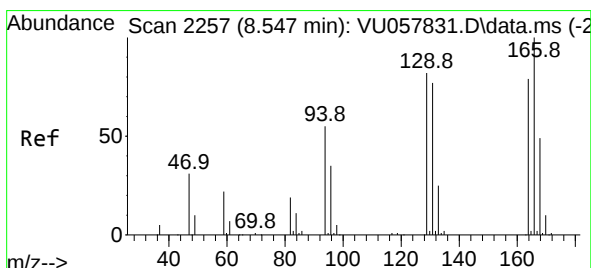
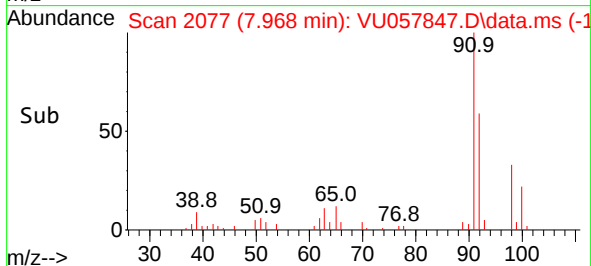
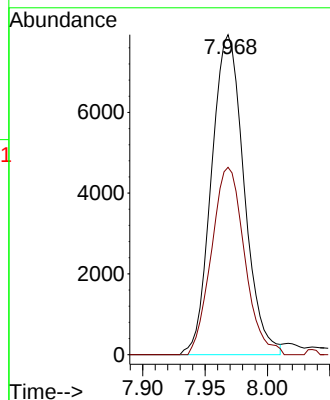
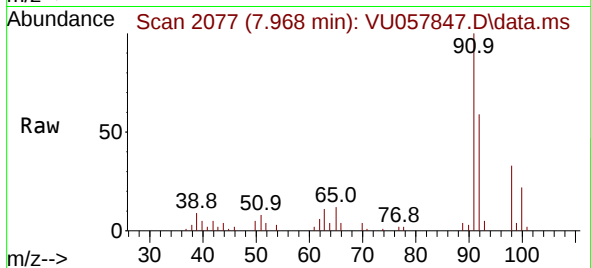
92 58.5 39.8 73.8

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#46

Tetrachloroethene

Concen: 1.852 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057847.D

Acq: 07 Feb 2024 18:00

Tgt Ion:164 Resp: 2873

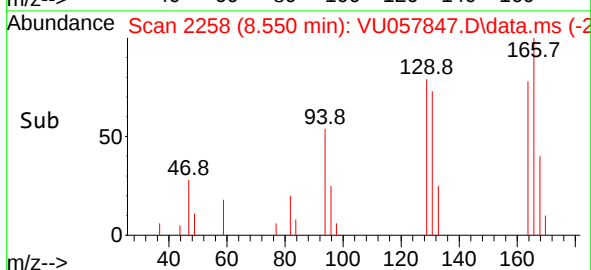
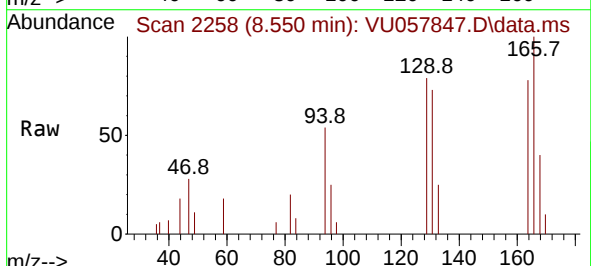
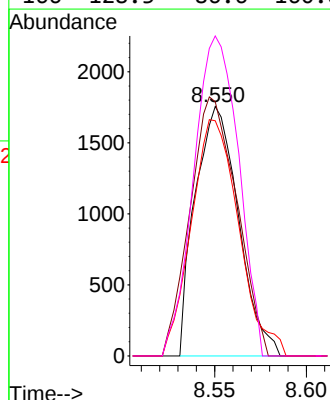
Ion Ratio Lower Upper

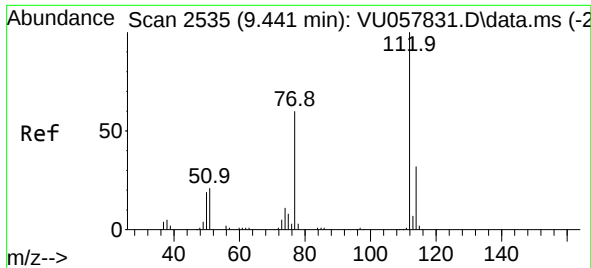
164 100

129 101.9 70.8 131.4

131 94.3 66.8 124.0

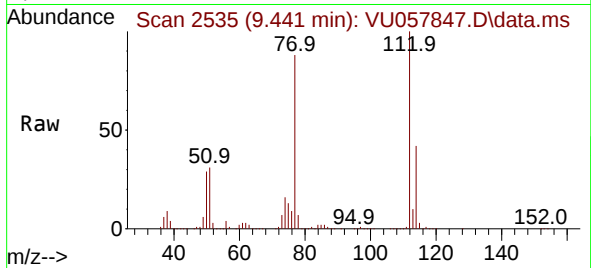
166 128.3 86.6 160.8





#51
Chlorobenzene
Concen: 7725.425 ug/L m
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

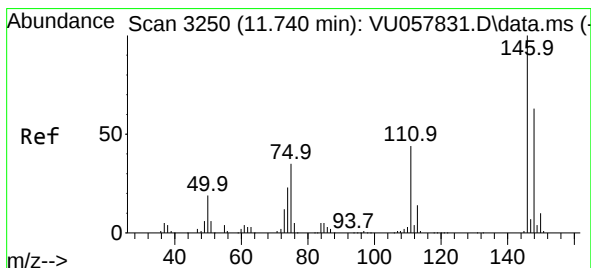
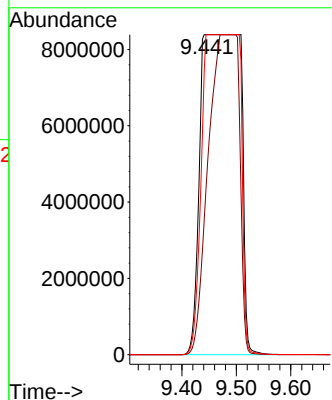
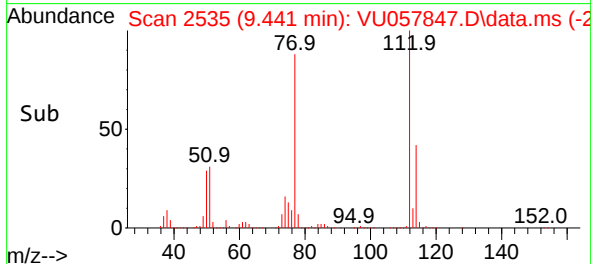
Instrument :
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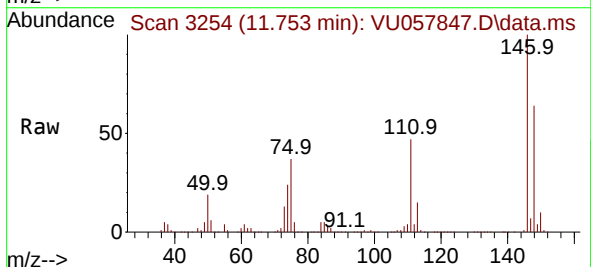
Tgt Ion:112 Resp:42750092
Ion Ratio Lower Upper
112 100
114 42.0 22.0 41.0
77 88.3 48.2 72.4

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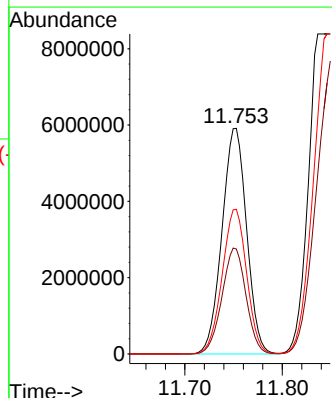
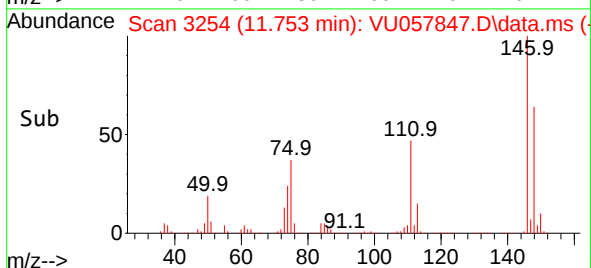
Reviewed By :Mahesh Dadoda 02/09/2024
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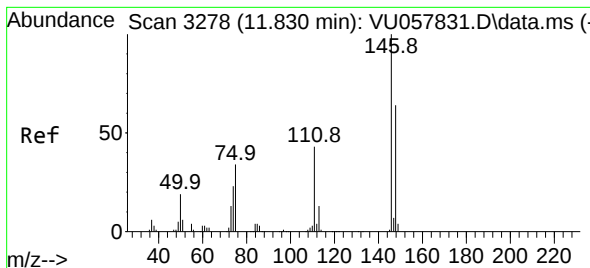


#64
1,3-Dichlorobenzene
Concen: 2124.407 ug/L
RT: 11.753 min Scan# 3254
Delta R.T. 0.013 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00



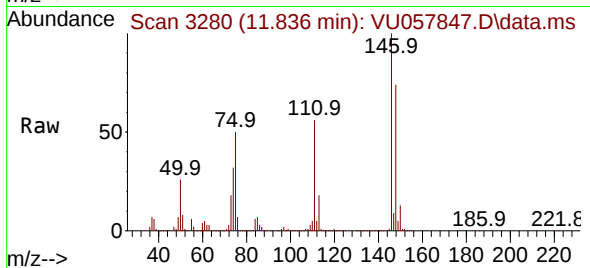
Tgt Ion:146 Resp:10384429
Ion Ratio Lower Upper
146 100
111 46.6 31.1 57.7
148 64.1 46.8 86.8





#65
1,4-Dichlorobenzene
Concen: 6048.253 ug/L m
RT: 11.836 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

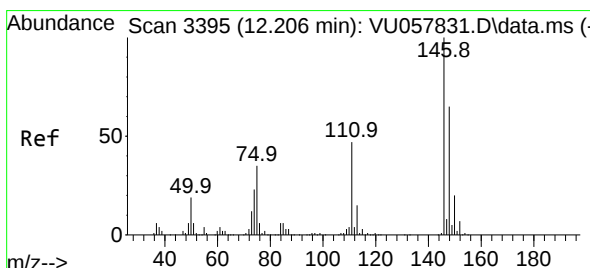
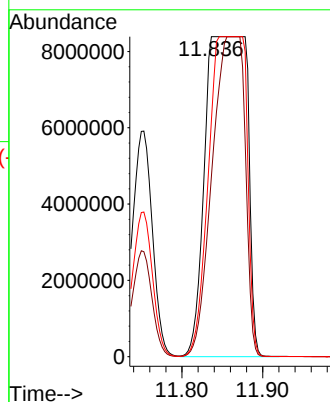
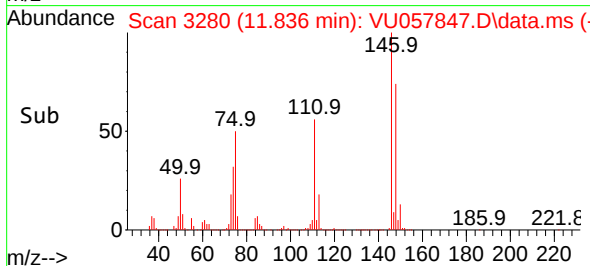
Instrument :
MSVOA_U
ClientSampleId :
C0B39



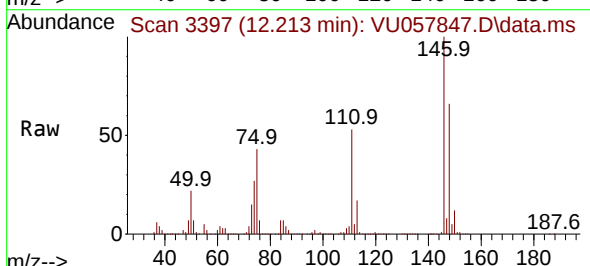
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Ion Ratio Lower Upper
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111 56.3 30.5 56.7
148 73.8 45.3 84.1

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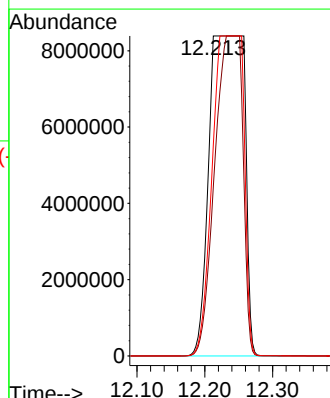
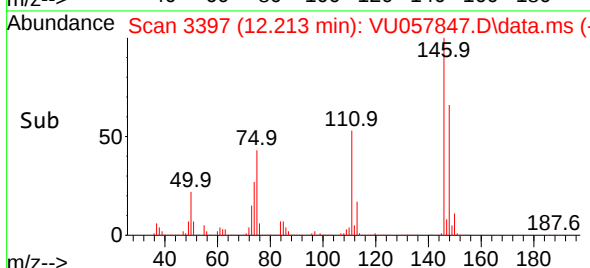
Reviewed By :Mahesh Dadoda 02/09/2024
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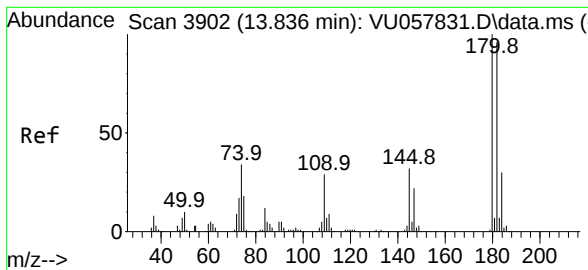


#67
1,2-Dichlorobenzene
Concen: 6180.677 ug/L m
RT: 12.213 min Scan# 3397
Delta R.T. 0.006 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00



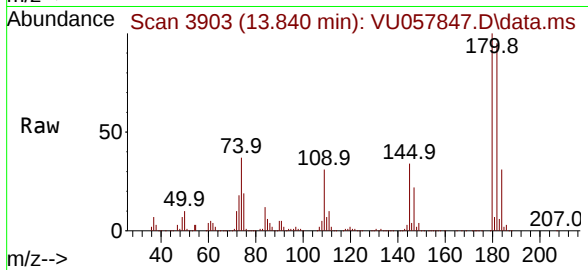
Tgt Ion:146 Resp:30456461
Ion Ratio Lower Upper
146 100
111 52.9 37.8 56.8
148 65.9 51.7 77.5





#70
1,2,4-trichlorobenzene
Concen: 1719.130 ug/L
RT: 13.840 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00

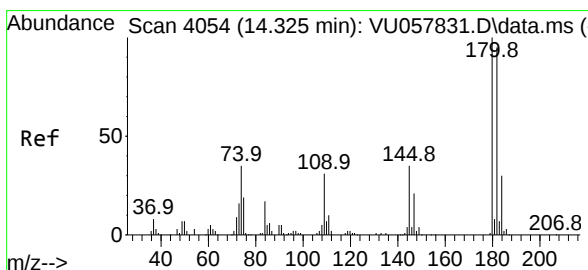
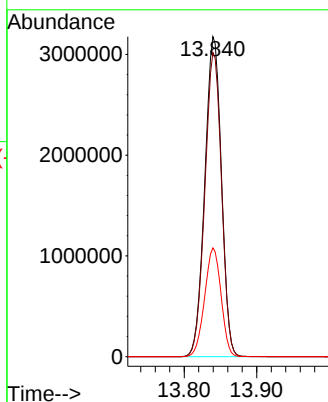
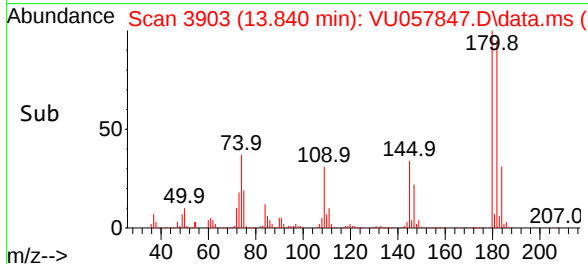
Instrument :
MSVOA_U
ClientSampleId :
C0B39



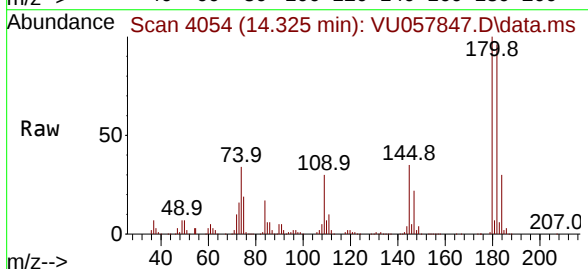
Tgt Ion:180 Resp: 505588
Ion Ratio Lower Upper
180 100
182 95.2 76.0 114.0
145 33.6 25.5 38.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



#72
1,2,3-Trichlorobenzene
Concen: 556.242 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057847.D
Acq: 07 Feb 2024 18:00



Tgt Ion:180 Resp: 1530692
Ion Ratio Lower Upper
180 100
182 95.8 76.6 114.8
145 34.7 27.7 41.5

