

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053956.D
 Acq On : 27 Apr 2023 23:42
 Operator : JC/MD
 Sample : 02528-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA35

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/01/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 07:22:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	135818	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130959	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62872	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	28354	3.427	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	68.600%		
7) Chloroethane-d5	1.912	69	27319	3.935	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	78.600%		
11) 1,1-Dichloroethene-d2	2.565	65	13651	4.010	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	80.200%		
20) 2-Butanone-d5	4.639	46	75525	49.845	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	99.700%		
24) Chloroform-d	5.057	84	71924	4.614	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.200%		
26) 1,2-Dichloroethane-d4	5.700	65	33734	4.682	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.600%		
32) Benzene-d6	5.726	84	133402	4.324	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	86.400%		
36) 1,2-Dichloropropane-d6	6.687	67	43141	4.622	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	92.400%		
41) Toluene-d8	7.896	98	118601	4.119	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	82.400%		
43) trans-1,3-Dichloroprop...	8.176	79	15342	4.180	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	83.600%		
46) 2-Hexanone-d5	8.629	63	65811	50.662	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	101.320%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	32596	4.322	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	86.400%		
66) 1,2-Dichlorobenzene-d4	12.189	152	45980	4.560	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	91.200%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	1668029	195.255	ug/L	# 76
16) Methylene chloride	3.044	84	3446	0.296	ug/L	95
19) 1,1-Dichloroethane	3.864	63	31300	2.003	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	55256	5.674	ug/L	94
25) Chloroform	5.083	83	103059	6.074	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	222444	15.110	ug/L	99
31) Carbon tetrachloride	5.520	117	69542	5.434	ug/L	95
33) Benzene	5.771	78	23851	0.646	ug/L	100
34) Trichloroethene	6.539	95	5682514	564.914	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	4761m	0.694	ug/L	
47) Tetrachloroethene	8.562	164	25116485m	3150.291	ug/L	
64) 1,3-Dichlorobenzene	11.742	146	10387	0.550	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	11119	0.582	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	10241	0.587	ug/L	94

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

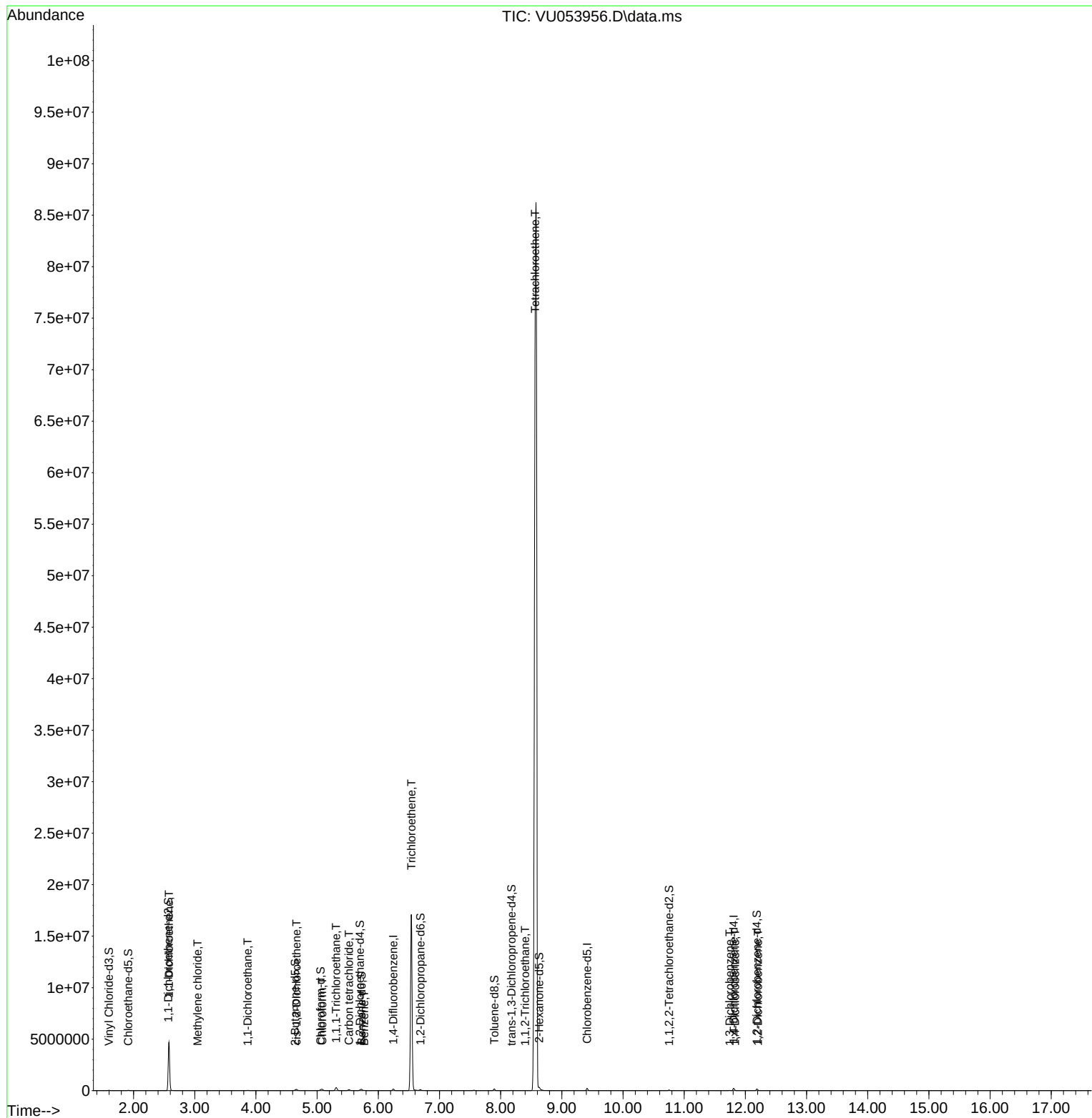
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
Data File : VU053956.D
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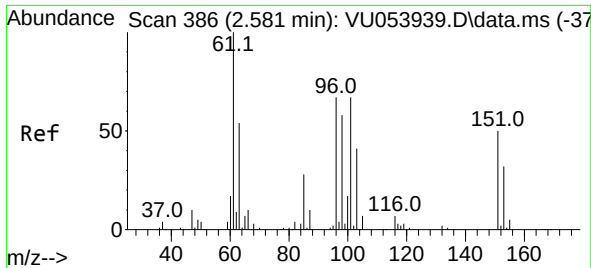
Instrument :
MSVOA_U
ClientSampleId :
HOA35

Quant Time: Apr 28 07:22:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
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#12

1,1-Dichloroethene

Concen: 195.255 ug/L

RT: 2.578 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU053956.D

Acq: 27 Apr 2023 23:42

Instrument :

MSVOA_U

ClientSampleId :

HOA35

Tgt Ion: 96 Resp: 1668029

Ion Ratio Lower Upper

96 100

61 148.8 111.5 207.1

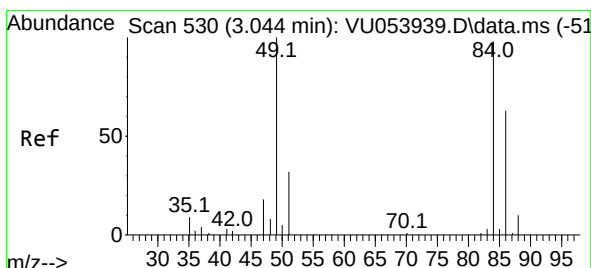
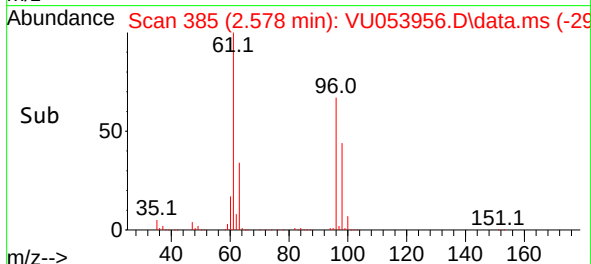
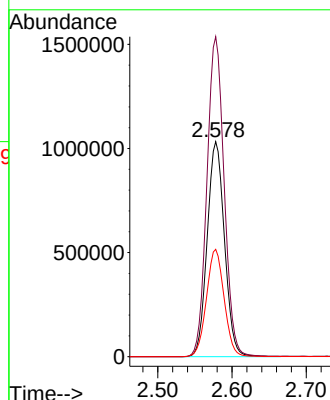
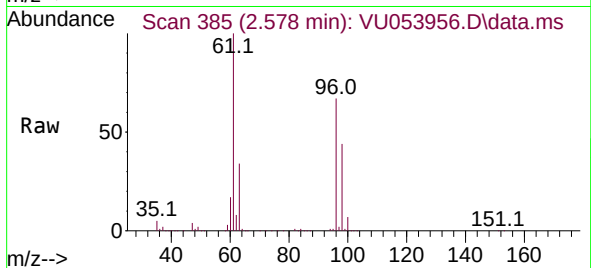
63 49.9 68.7 127.7

Manual Integrations

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Reviewed By :Krupa Patel 05/01/2023

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#16

Methylene chloride

Concen: 0.296 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.000 min

Lab File: VU053956.D

Acq: 27 Apr 2023 23:42

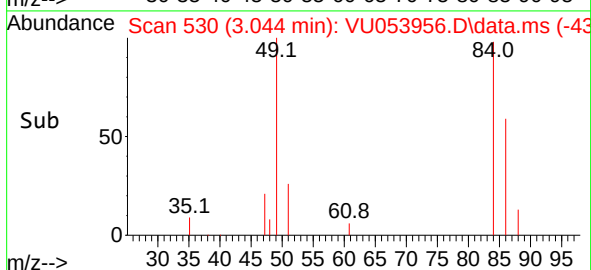
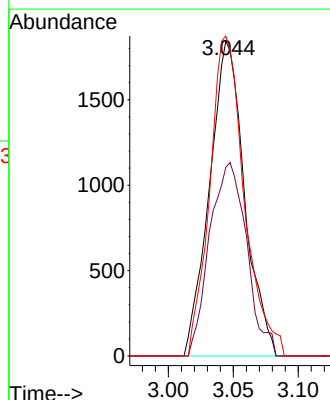
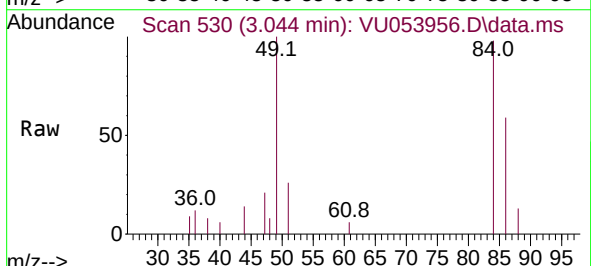
Tgt Ion: 84 Resp: 3446

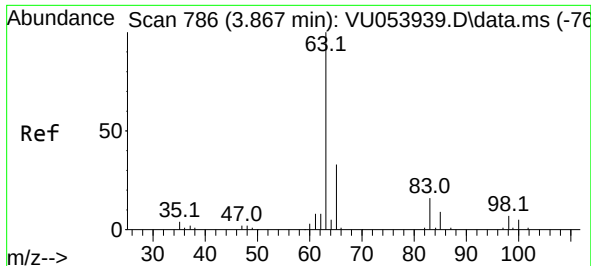
Ion Ratio Lower Upper

84 100

86 60.0 45.0 83.6

49 101.7 74.8 138.8





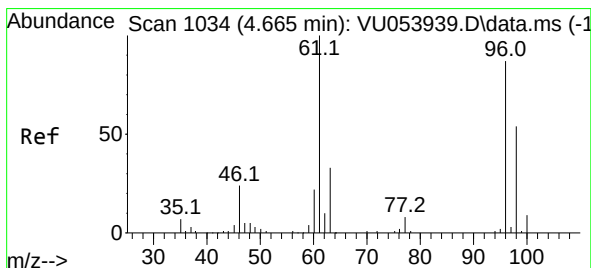
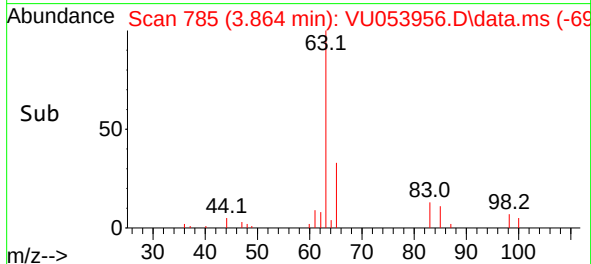
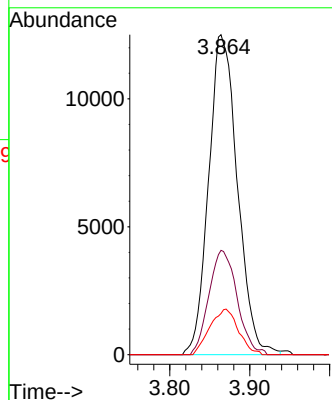
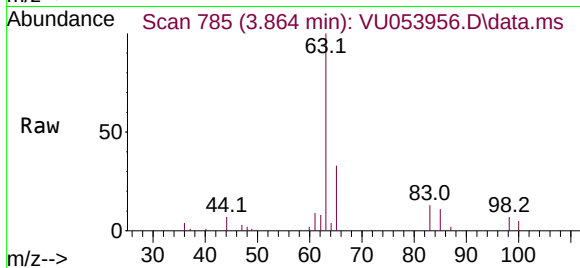
#19
1,1-Dichloroethane
Concen: 2.003 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

Instrument :
MSVOA_U
ClientSampleId :
HOA35

Tgt Ion: 63 Resp: 31300
Ion Ratio Lower Upper
63 100
65 32.6 22.0 40.8
83 12.9 10.3 19.1

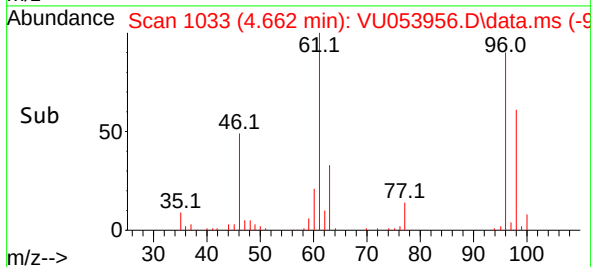
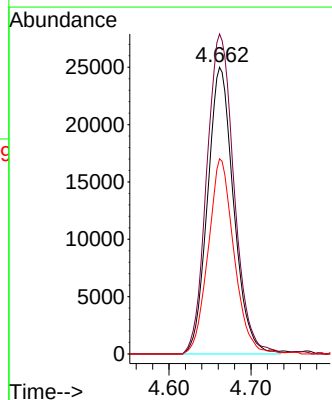
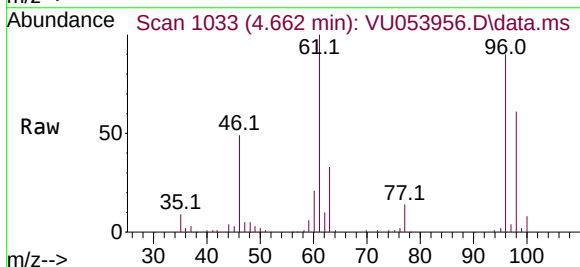
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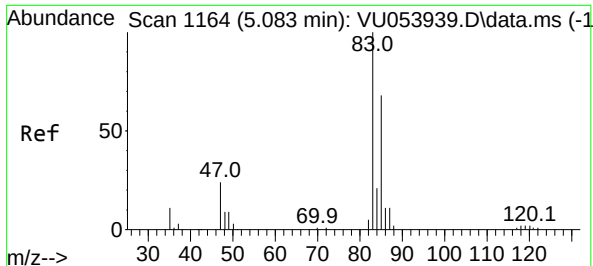
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#22
cis-1,2-Dichloroethene
Concen: 5.674 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

Tgt Ion: 96 Resp: 55256
Ion Ratio Lower Upper
96 100
61 111.6 84.3 156.5
98 68.1 46.4 86.2





#25

Chloroform

Concen: 6.074 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053956.D

Acq: 27 Apr 2023 23:42

Instrument :

MSVOA_U

ClientSampleId :

HOA35

Tgt Ion: 83 Resp: 103059

Ion Ratio Lower Upper

83 100

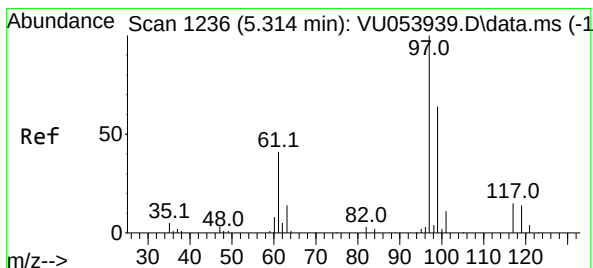
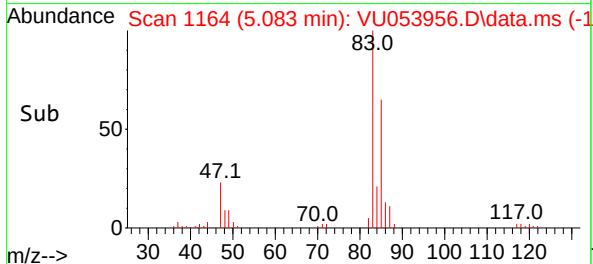
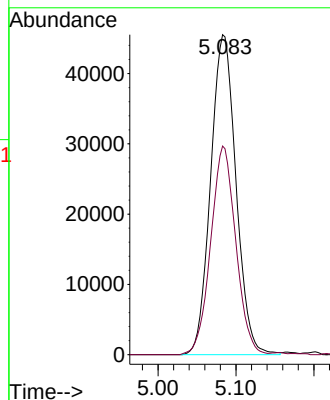
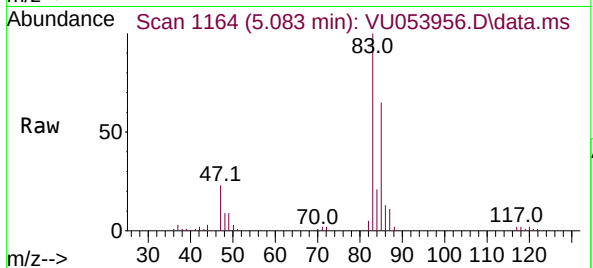
85 65.2 45.6 84.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#29

1,1,1-Trichloroethane

Concen: 15.110 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053956.D

Acq: 27 Apr 2023 23:42

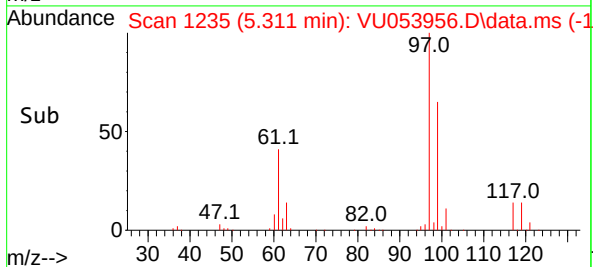
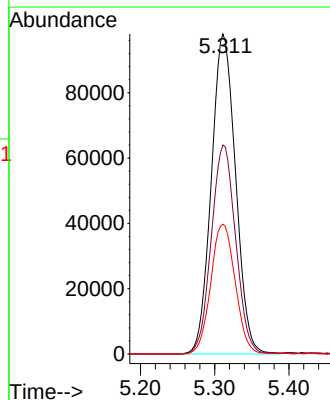
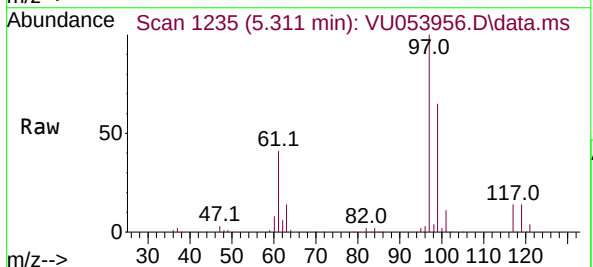
Tgt Ion: 97 Resp: 222444

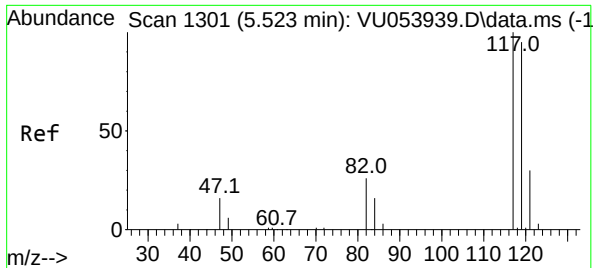
Ion Ratio Lower Upper

97 100

99 65.7 52.9 79.3

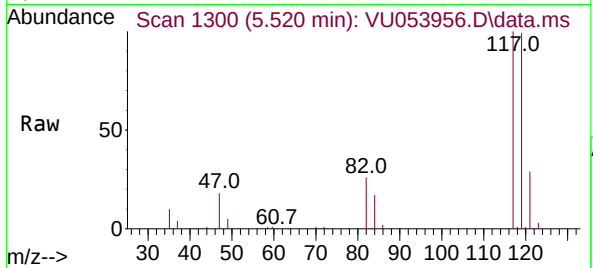
61 40.9 33.8 50.8





#31
Carbon tetrachloride
Concen: 5.434 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

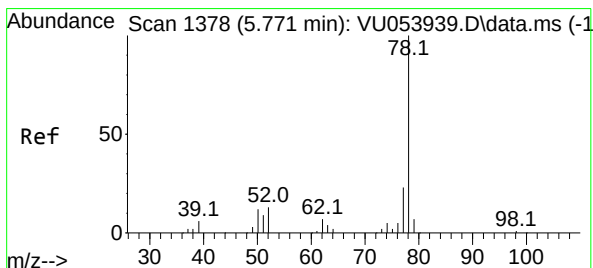
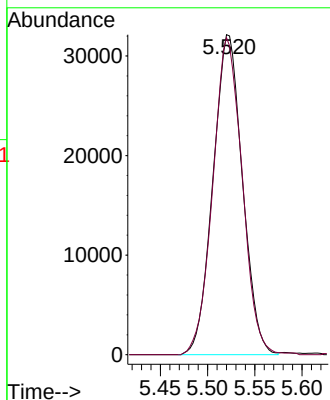
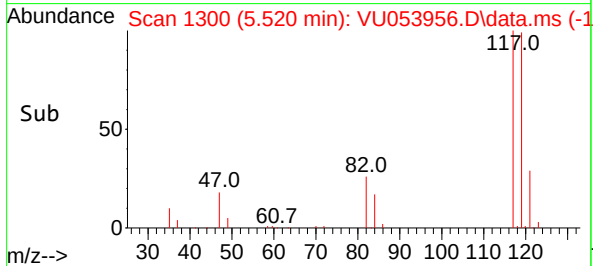
Instrument :
MSVOA_U
ClientSampleId :
HOA35



Tgt Ion:117 Resp: 6954
Ion Ratio Lower Upper
117 100
119 98.6 75.0 112.6

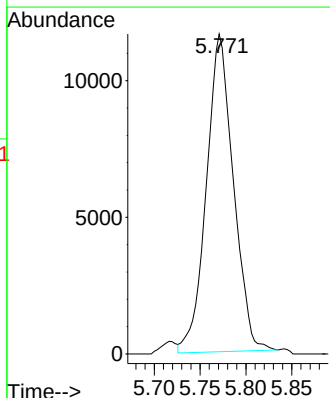
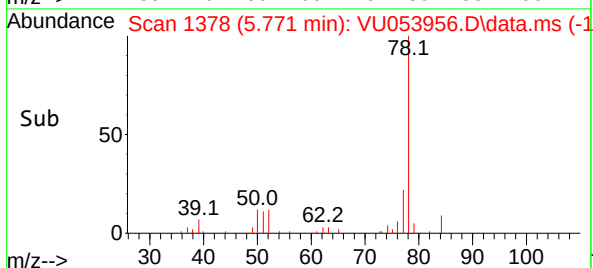
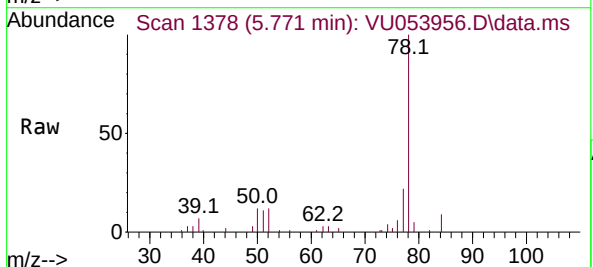
Manual Integrations
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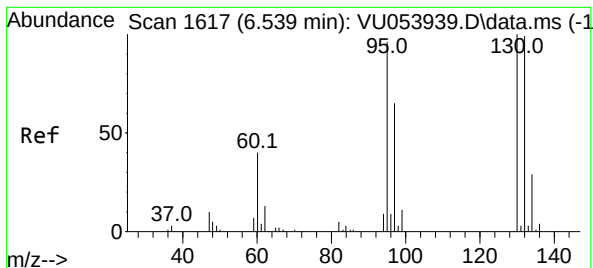
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#33
Benzene
Concen: 0.646 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

Tgt Ion: 78 Resp: 23851





#34

Trichloroethene

Concen: 564.914 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053956.D

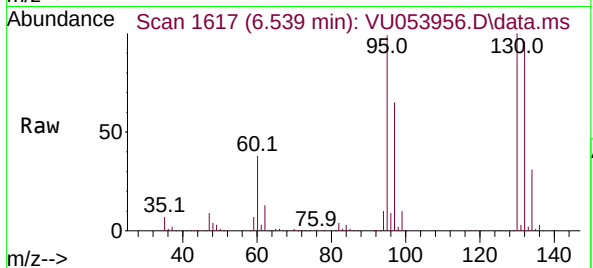
Acq: 27 Apr 2023 23:42

Instrument :

MSVOA_U

ClientSampleId :

HOA35



Tgt Ion: 95 Resp: 5682514

Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 97.0 69.9 129.9

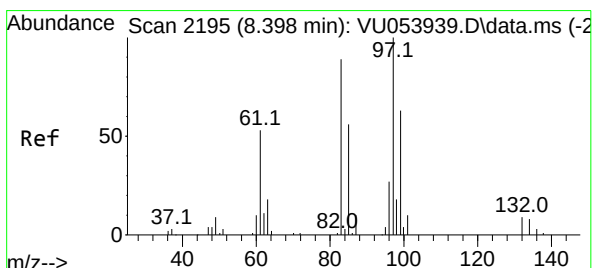
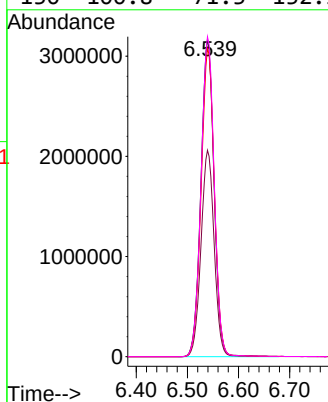
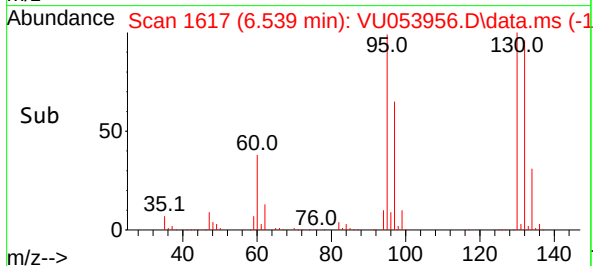
130 100.8 71.3 132.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#45

1,1,2-Trichloroethane

Concen: 0.694 ug/L m

RT: 8.401 min Scan# 2196

Delta R.T. 0.007 min

Lab File: VU053956.D

Acq: 27 Apr 2023 23:42

Tgt Ion: 97 Resp: 4761

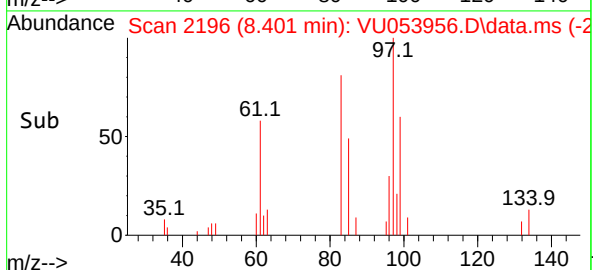
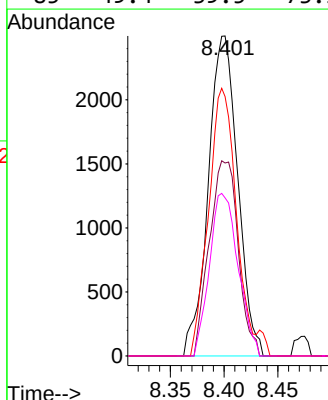
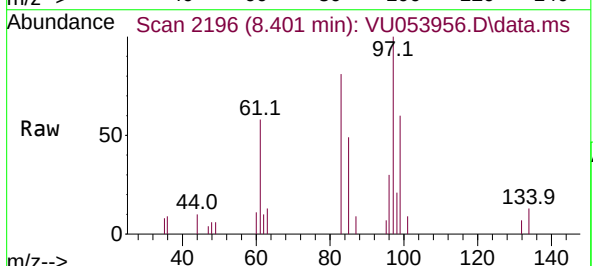
Ion Ratio Lower Upper

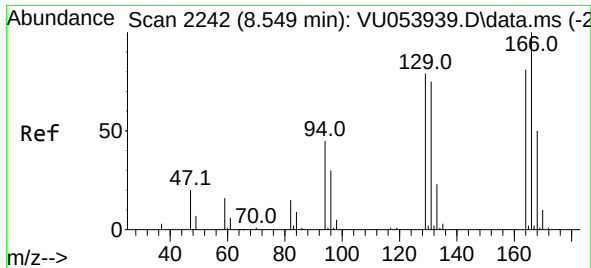
97 100

99 60.3 44.7 83.1

83 81.0 59.8 111.1

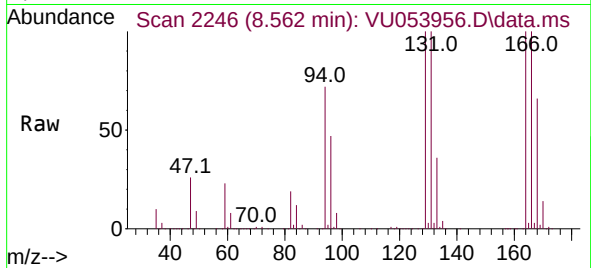
85 49.4 39.5 73.3





#47
Tetrachloroethene
Concen: 3150.291 ug/L m
RT: 8.562 min Scan# 211648
Delta R.T. 0.013 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

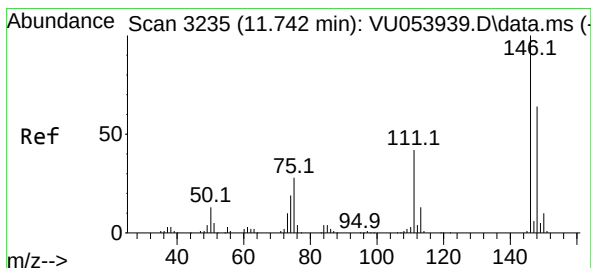
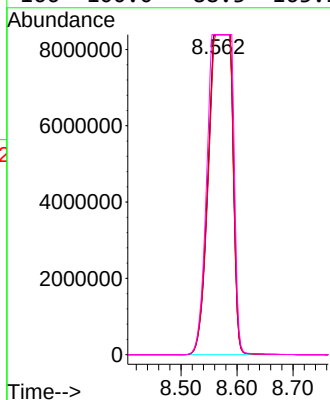
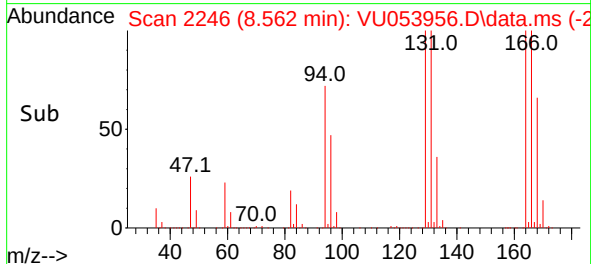
Instrument :
MSVOA_U
ClientSampleId :
HOA35



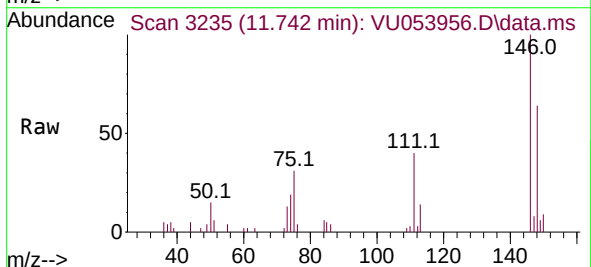
Tgt Ion:164 Resp:2511648
Ion Ratio Lower Upper
164 100
129 100.0 68.3 126.8
131 100.0 64.4 119.6
166 100.0 88.3 163.9

Manual Integrations
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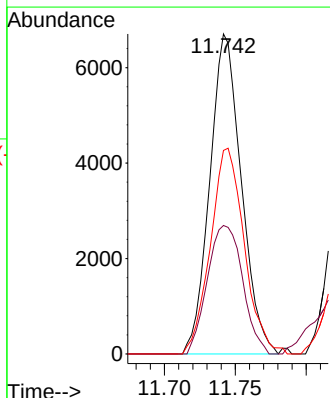
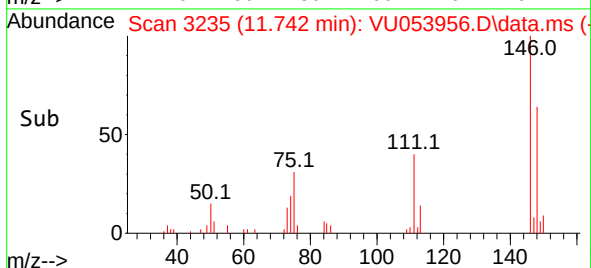
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

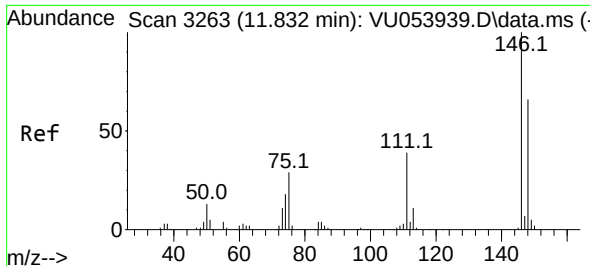


#64
1,3-Dichlorobenzene
Concen: 0.550 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42



Tgt Ion:146 Resp: 10387
Ion Ratio Lower Upper
146 100
111 40.1 27.9 51.9
148 63.6 43.7 81.1





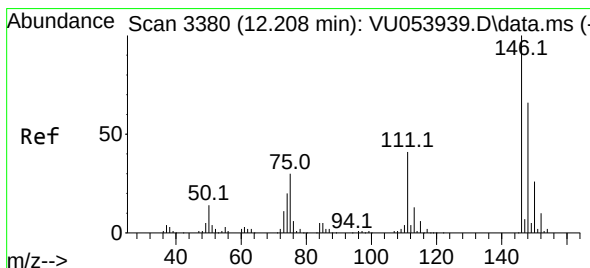
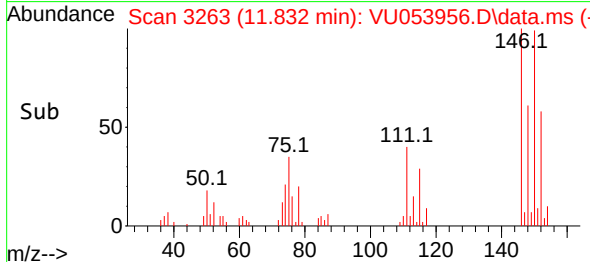
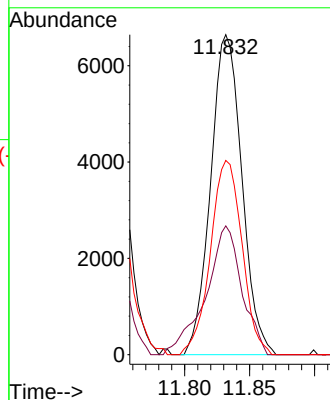
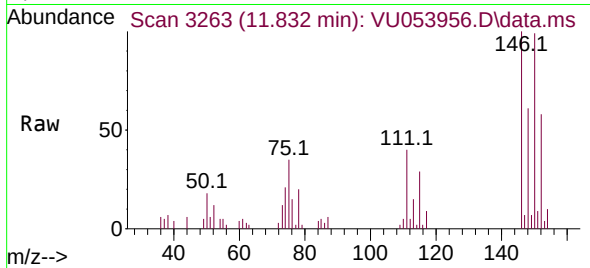
#65
1,4-Dichlorobenzene
Concen: 0.582 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

Instrument :
MSVOA_U
ClientSampleId :
HOA35

Tgt Ion:146 Resp: 11119
Ion Ratio Lower Upper
146 100
111 40.2 28.3 52.7
148 60.7 45.4 84.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#67
1,2-Dichlorobenzene
Concen: 0.587 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053956.D
Acq: 27 Apr 2023 23:42

Tgt Ion:146 Resp: 10241
Ion Ratio Lower Upper
146 100
111 37.8 32.6 49.0
148 69.2 51.0 76.4

