

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053960.D
 Acq On : 28 Apr 2023 01:18
 Operator : JC/MD
 Sample : 02528-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA40

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 07:22:53 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	156580	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	145687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74854	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	33650	3.528	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.916	69	31485	3.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.600%
11) 1,1-Dichloroethene-d2	2.565	65	15888	4.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.636	46	93034	53.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.520%
24) Chloroform-d	5.060	84	93152	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.700	65	39406	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.722	84	156208	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.687	67	49022	4.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.896	98	138370	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.179	79	18490	4.528	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.632	63	78439	54.279	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.560%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	41279	4.920	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	54976	4.579	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	2099187	213.143	ug/L	# 76
16) Methylene chloride	3.047	84	6290	0.468	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	1462	0.147	ug/L	95
19) 1,1-Dichloroethane	3.867	63	127323	7.069	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	102206	9.103	ug/L	95
25) Chloroform	5.083	83	317149	16.214	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	626390	38.247	ug/L	98
31) Carbon tetrachloride	5.520	117	15385	1.081	ug/L	94
33) Benzene	5.771	78	42037	1.024	ug/L	100
34) Trichloroethene	6.539	95	6450369	576.423	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	5275m	0.691	ug/L	
47) Tetrachloroethene	8.562	164	26897968m	3032.674	ug/L	
54) o-Xylene	10.098	106	2567	0.145	ug/L	87
64) 1,3-Dichlorobenzene	11.741	146	39492	1.756	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	21895	0.963	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	55550	2.674	ug/L	98

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

Instrument :

MSVOA_U

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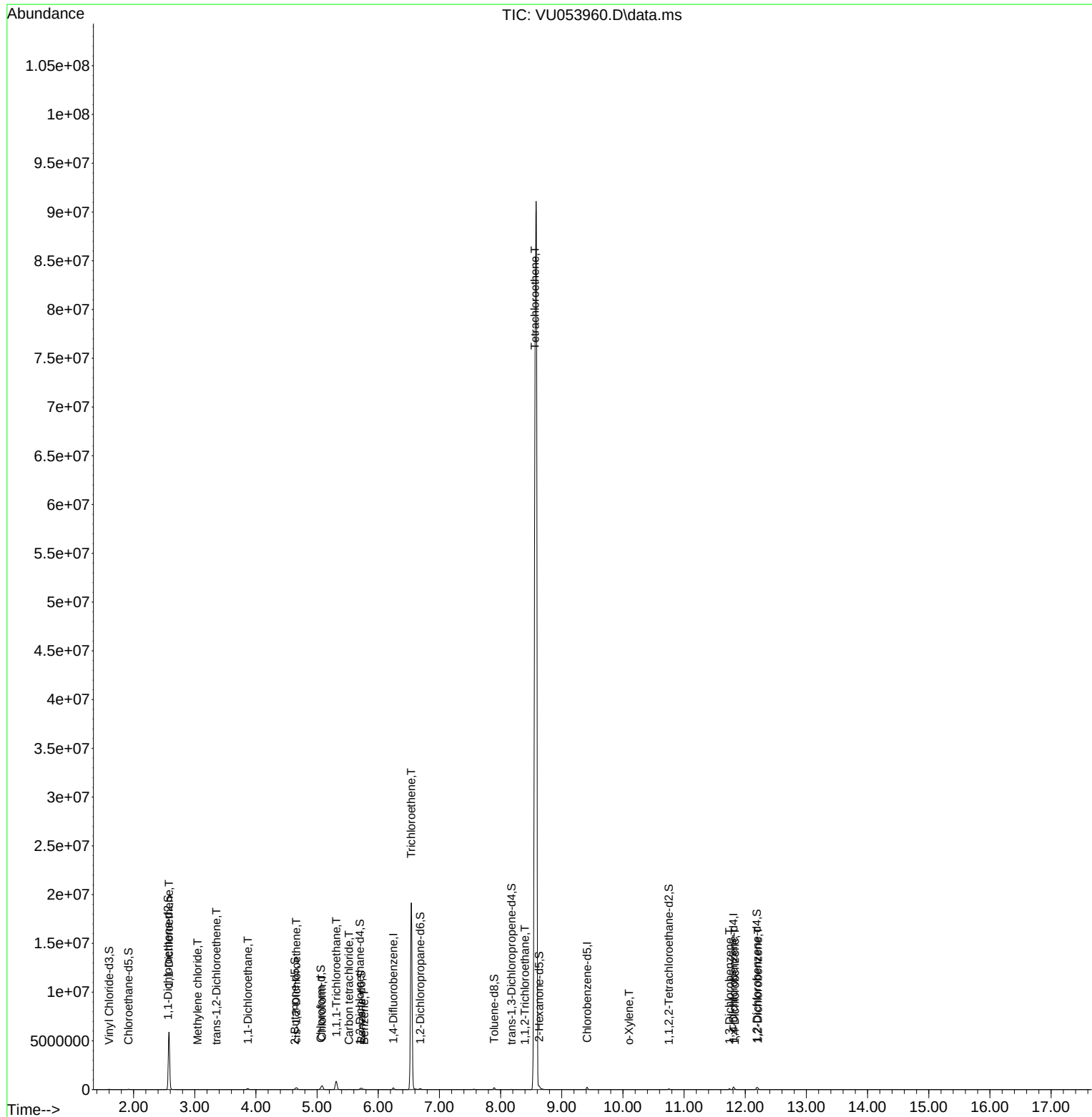
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
Data File : VU053960.D
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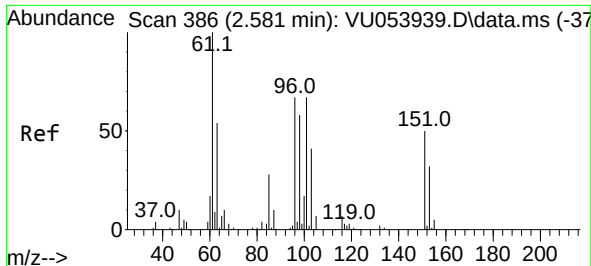
Instrument :
MSVOA_U
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HOA40

Quant Time: Apr 28 07:22:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
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#12

1,1-Dichloroethene

Concen: 213.143 ug/L

RT: 2.578 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

HOA40

Tgt Ion: 96 Resp: 209918

Ion Ratio Lower Upper

96 100

61 148.9 111.5 207.1

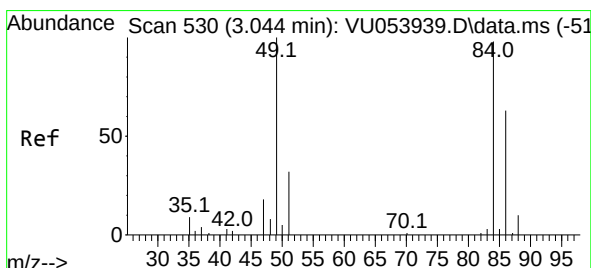
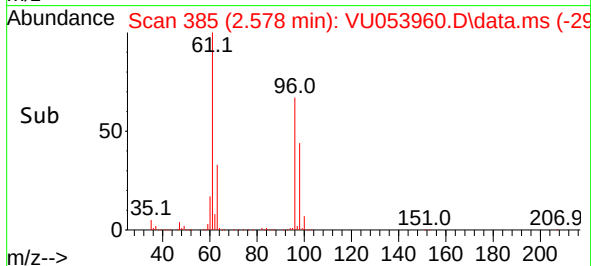
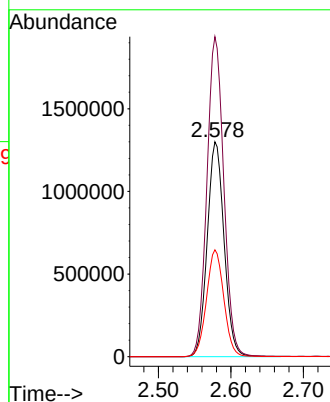
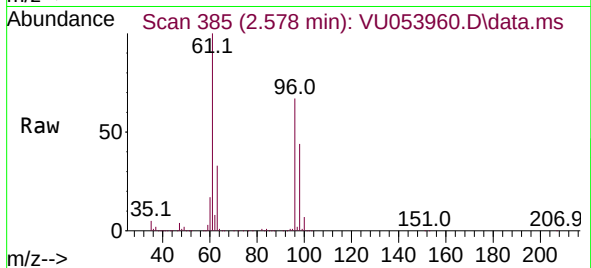
63 49.8 68.7 127.7

Manual Integrations

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#16

Methylene chloride

Concen: 0.468 ug/L

RT: 3.047 min Scan# 531

Delta R.T. 0.003 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

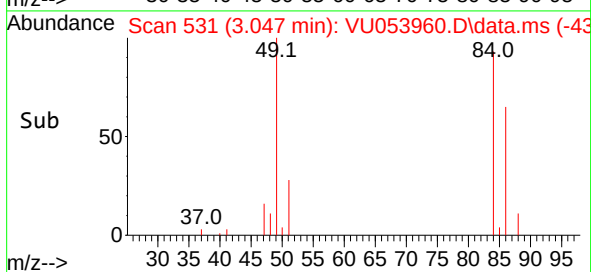
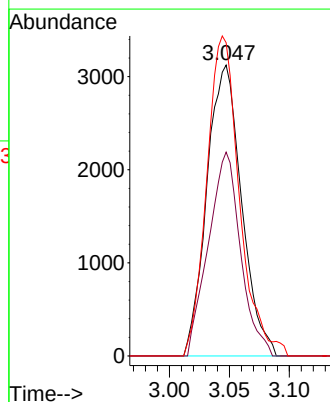
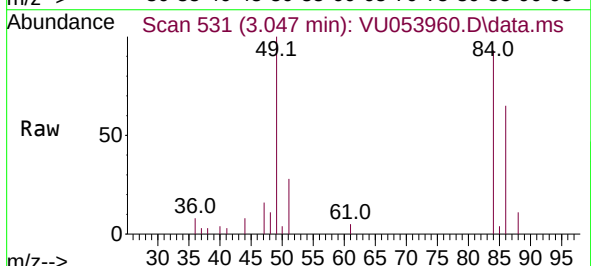
Tgt Ion: 84 Resp: 6290

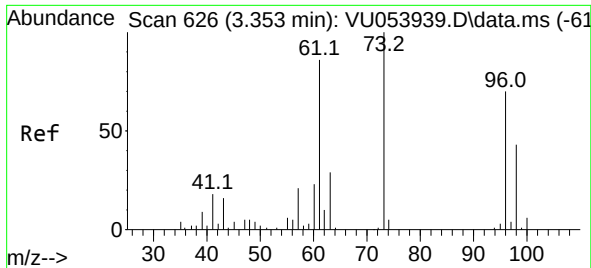
Ion Ratio Lower Upper

84 100

86 70.1 45.0 83.6

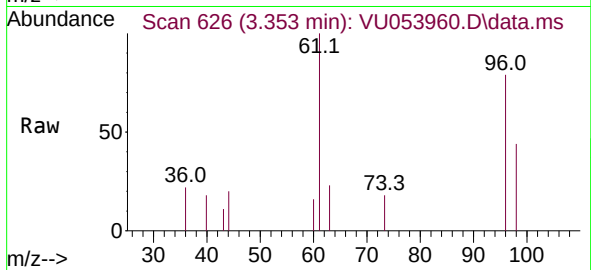
49 107.7 74.8 138.8





#18
trans-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

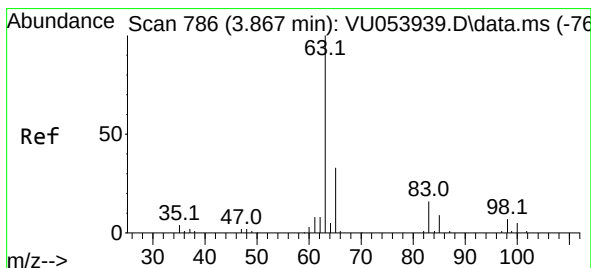
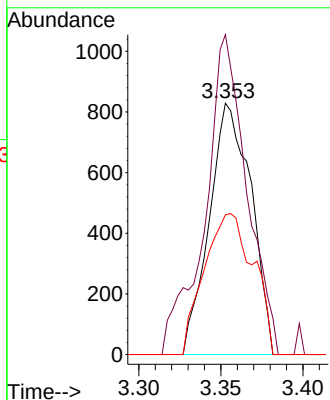
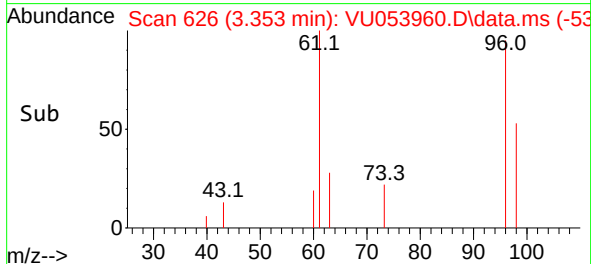
Instrument :
MSVOA_U
ClientSampleId :
HOA40



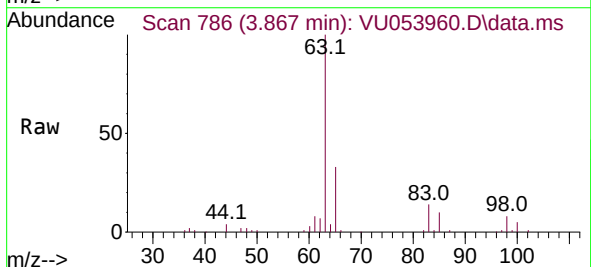
Tgt Ion: 96 Resp: 1462
Ion Ratio Lower Upper
96 100
61 127.3 86.2 160.0
98 55.6 42.8 79.4

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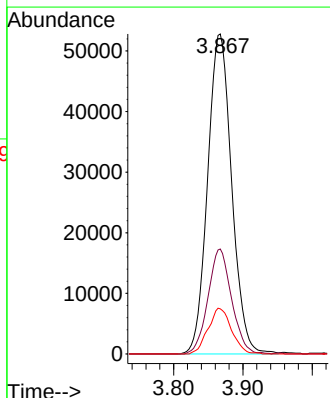
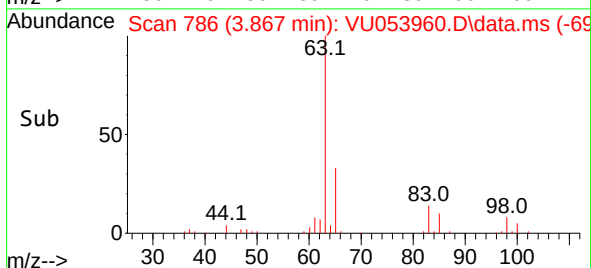
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

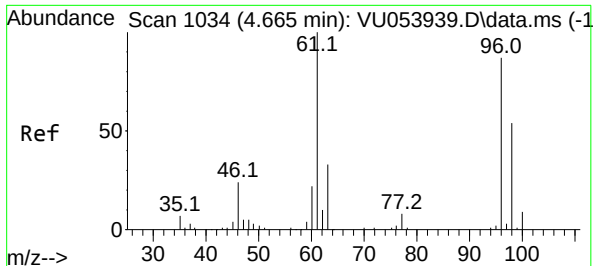


#19
1,1-Dichloroethane
Concen: 7.069 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18



Tgt Ion: 63 Resp: 127323
Ion Ratio Lower Upper
63 100
65 32.8 22.0 40.8
83 14.1 10.3 19.1





#22

cis-1,2-Dichloroethene

Concen: 9.103 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

HOA40

Tgt Ion: 96 Resp: 102200

Ion Ratio Lower Upper

96 100

61 113.6 84.3 156.5

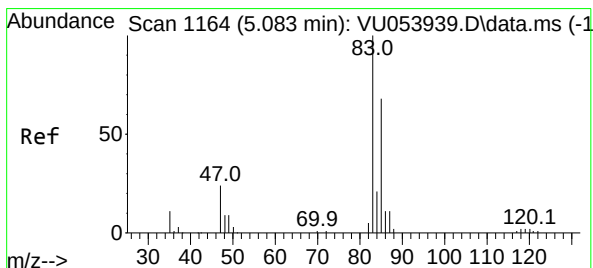
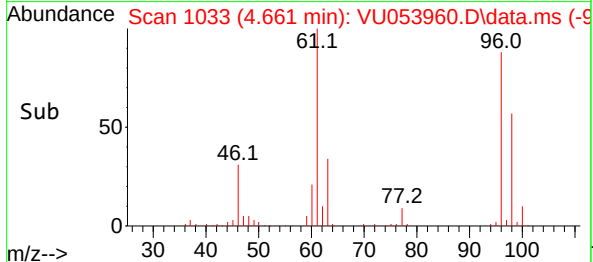
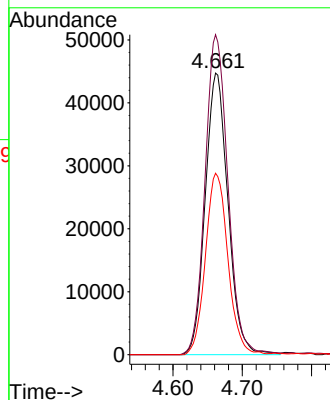
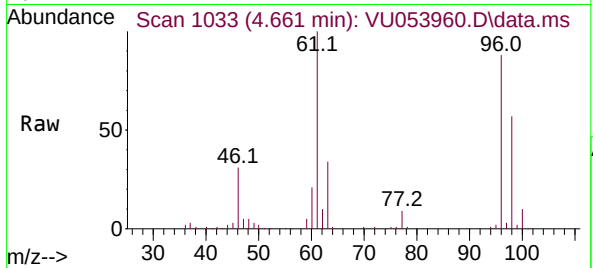
98 64.4 46.4 86.2

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#25

Chloroform

Concen: 16.214 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053960.D

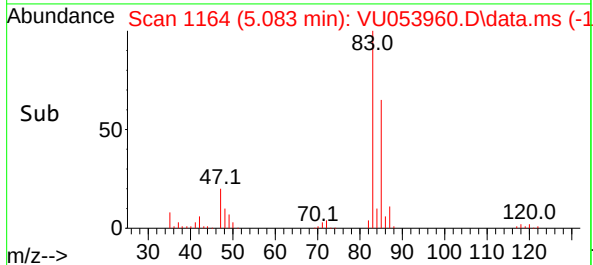
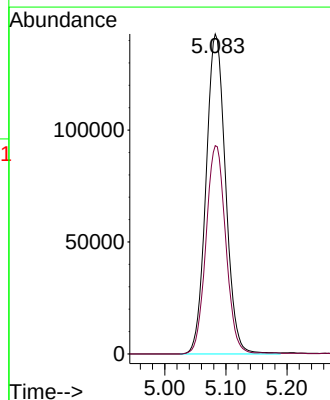
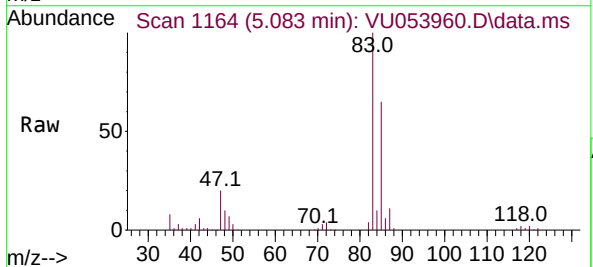
Acq: 28 Apr 2023 01:18

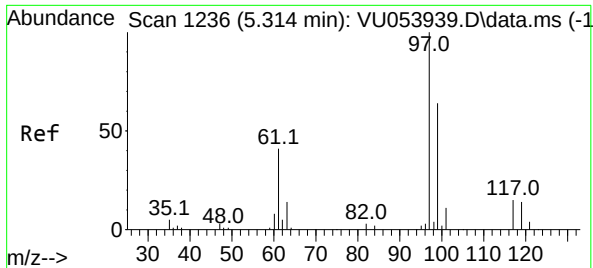
Tgt Ion: 83 Resp: 317149

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8





#29

1,1,1-Trichloroethane

Concen: 38.247 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

HOA40

Tgt Ion: 97 Resp: 626390

Ion Ratio Lower Upper

97 100

99 65.2 52.9 79.3

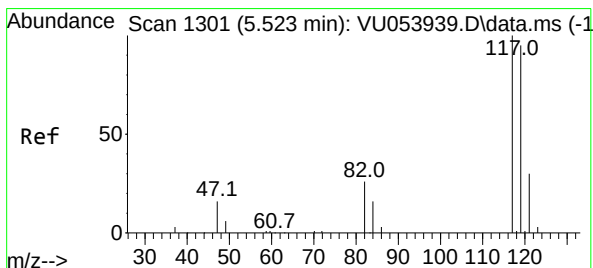
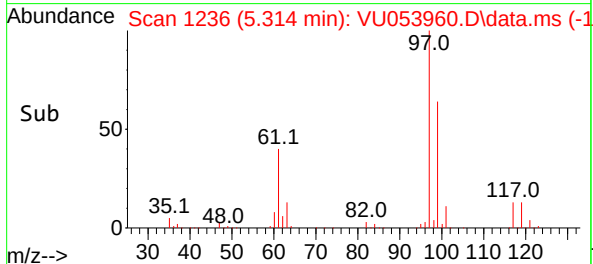
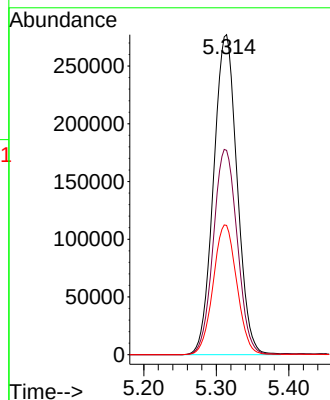
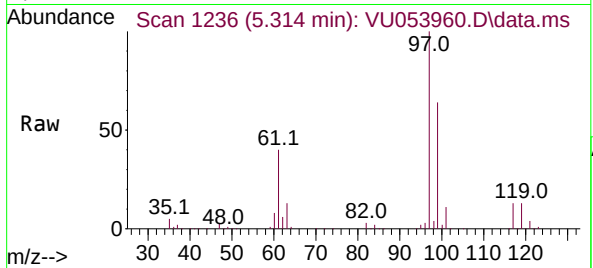
61 40.8 33.8 50.8

Manual Integrations

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#31

Carbon tetrachloride

Concen: 1.081 ug/L

RT: 5.520 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VU053960.D

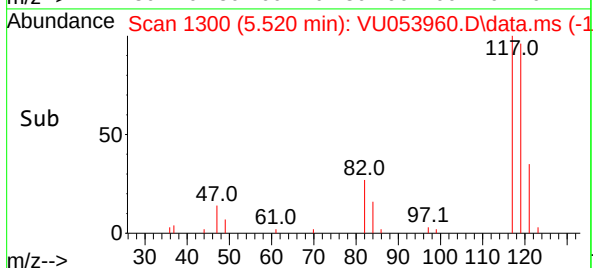
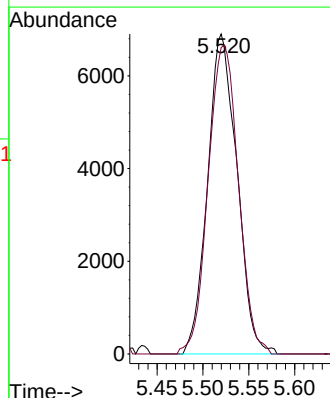
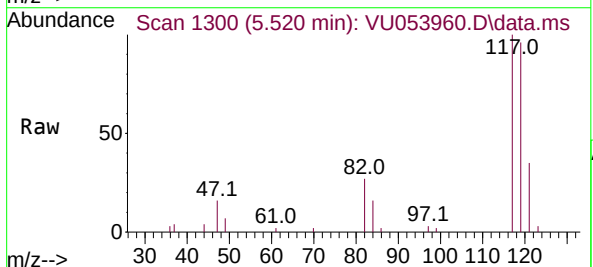
Acq: 28 Apr 2023 01:18

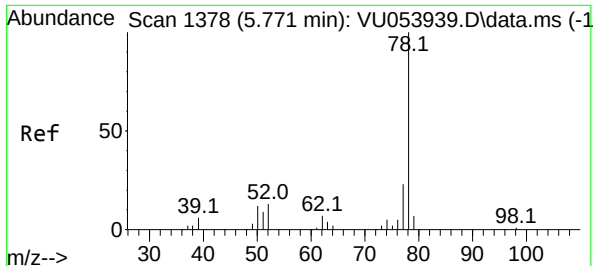
Tgt Ion:117 Resp: 15385

Ion Ratio Lower Upper

117 100

119 99.3 75.0 112.6





#33

Benzene

Concen: 1.024 ug/L

RT: 5.771 min Scan# 1378

Delta R.T. -0.000 min

Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

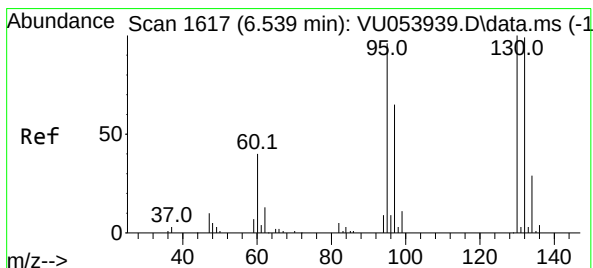
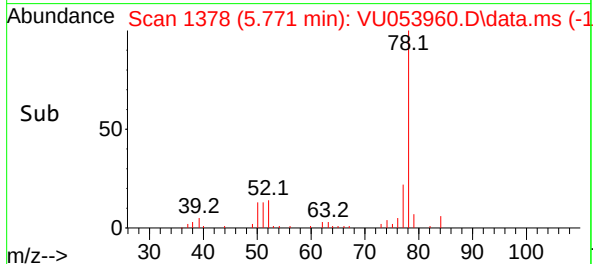
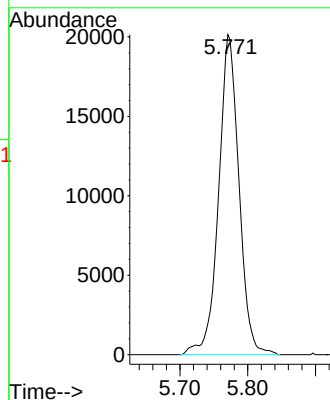
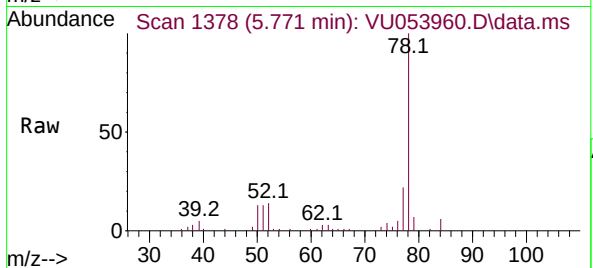
HOA40

Tgt Ion: 78 Resp: 4203

Manual Integrations
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Supervised By :Mahesh Dadoda 05/01/2023



#34

Trichloroethene

Concen: 576.423 ug/L

RT: 6.539 min Scan# 1617

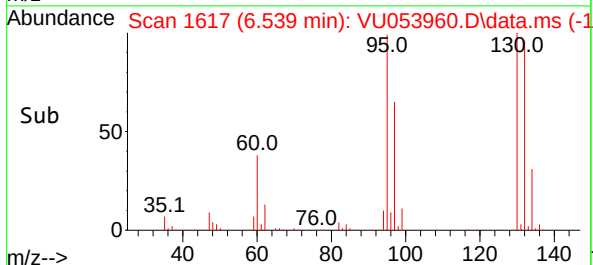
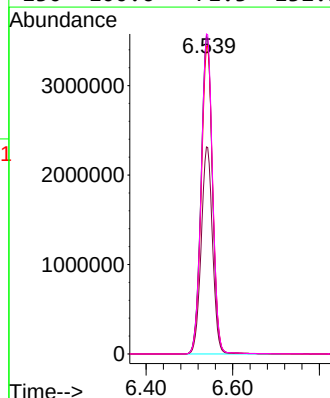
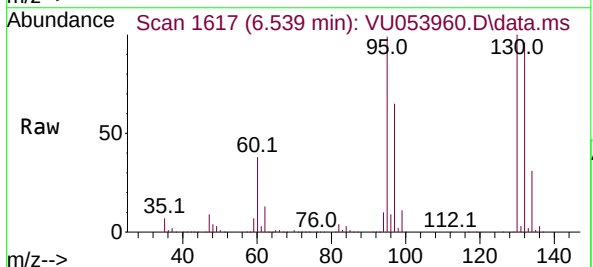
Delta R.T. -0.000 min

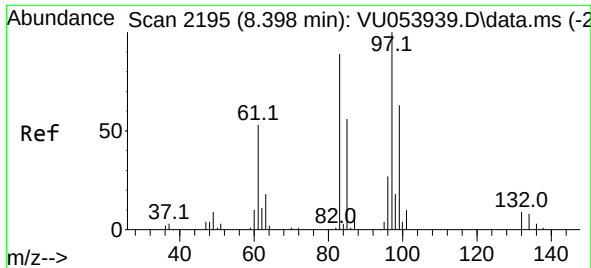
Lab File: VU053960.D

Acq: 28 Apr 2023 01:18

Tgt Ion: 95 Resp: 6450369

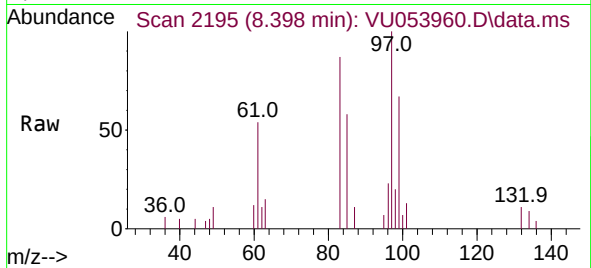
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.1	83.9
132	96.6	69.9	129.9
130	100.6	71.3	132.3





#45
1,1,2-Trichloroethane
Concen: 0.691 ug/L m
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

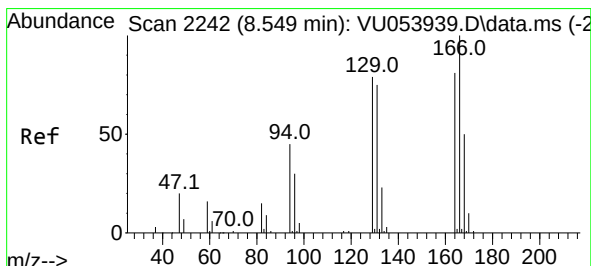
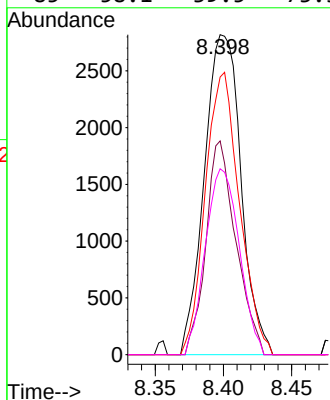
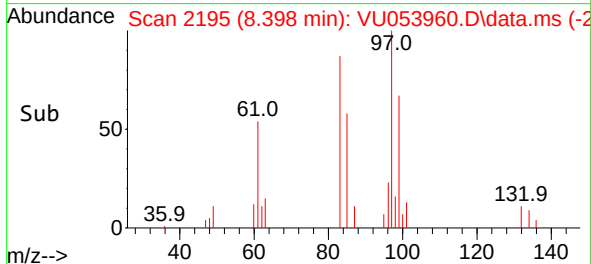
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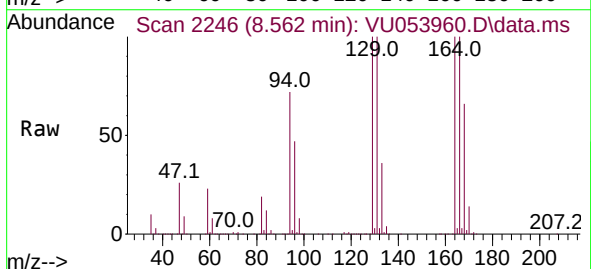
Tgt Ion:	97	Resp:	527
Ion	Ratio	Lower	Upper
97	100		
99	66.8	44.7	83.1
83	86.8	59.8	111.1
85	58.1	39.5	73.3

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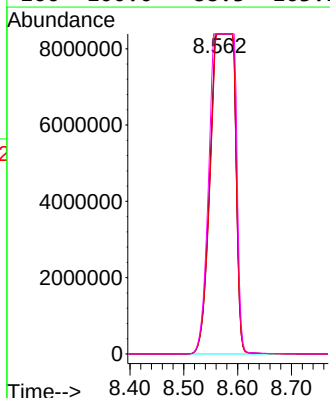
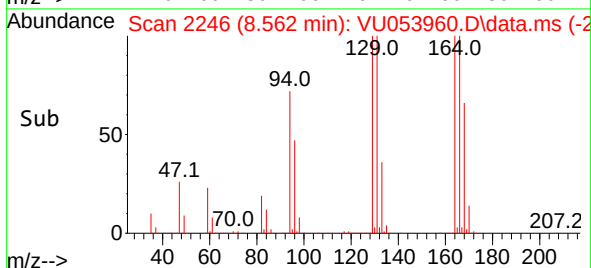
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

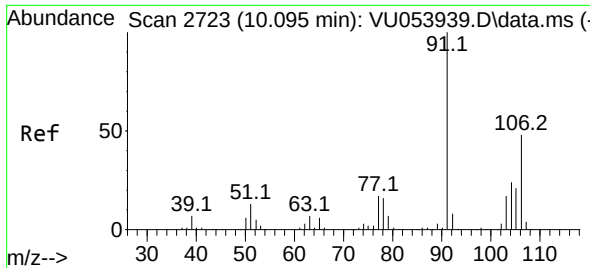


#47
Tetrachloroethene
Concen: 3032.674 ug/L m
RT: 8.562 min Scan# 2246
Delta R.T. 0.013 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18



Tgt Ion:	164	Resp:	26897968
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





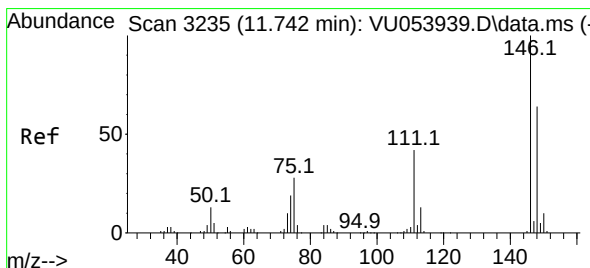
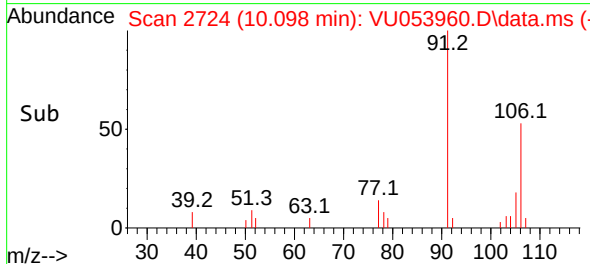
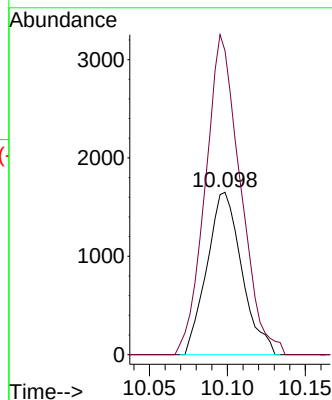
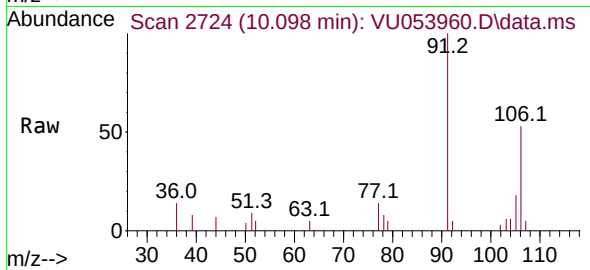
#54
o-Xylene
Concen: 0.145 ug/L
RT: 10.098 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
HOA40

Tgt Ion:106 Resp: 256
Ion Ratio Lower Upper
106 100
91 187.3 145.5 270.1

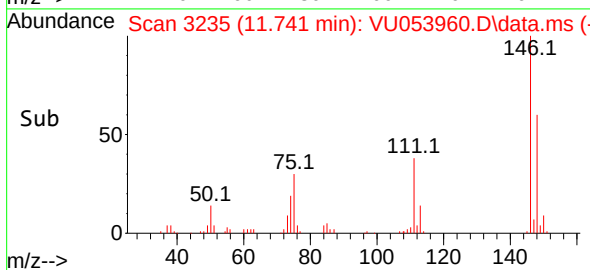
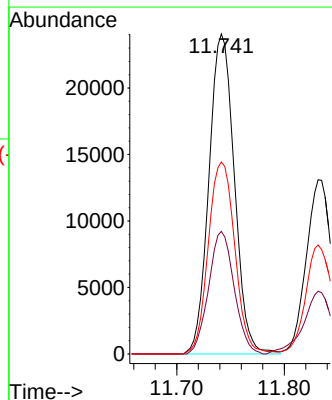
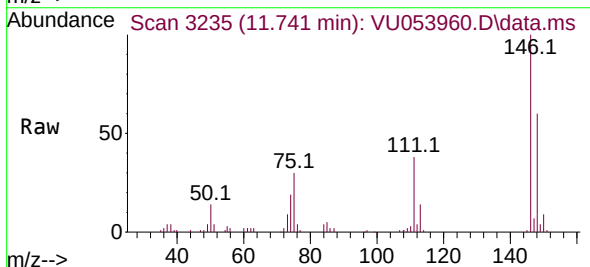
Manual Integrations
APPROVED

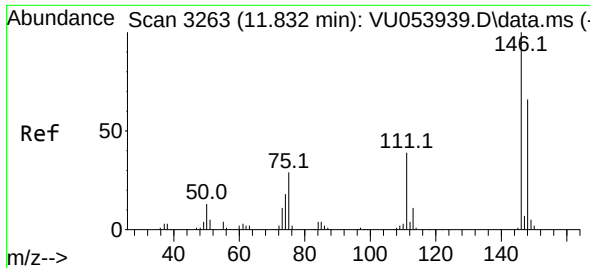
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#64
1,3-Dichlorobenzene
Concen: 1.756 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

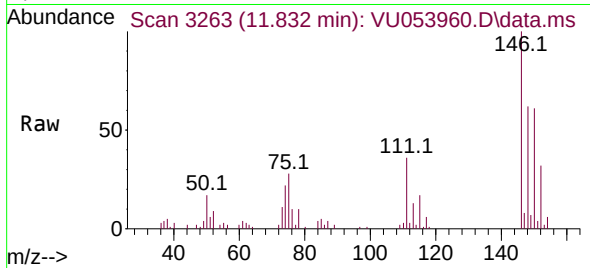
Tgt Ion:146 Resp: 39492
Ion Ratio Lower Upper
146 100
111 38.3 27.9 51.9
148 60.0 43.7 81.1





#65
1,4-Dichlorobenzene
Concen: 0.963 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18

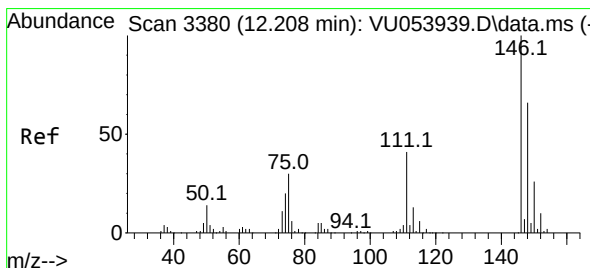
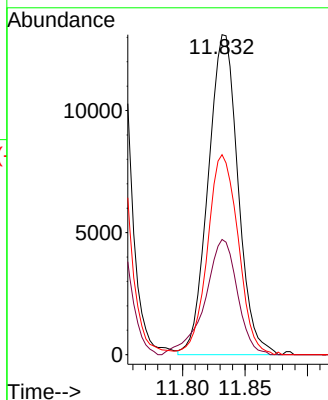
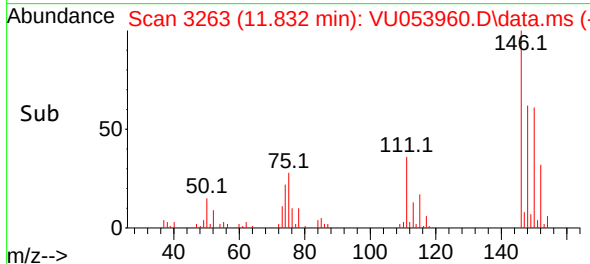
Instrument :
MSVOA_U
ClientSampleId :
HOA40



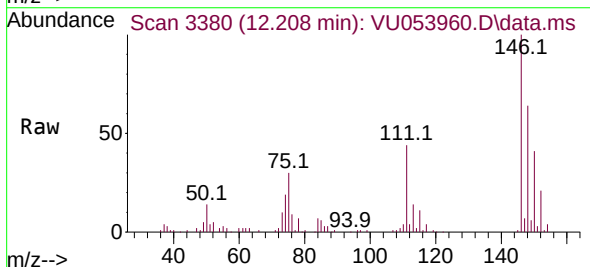
Tgt Ion:146 Resp: 2189
Ion Ratio Lower Upper
146 100
111 36.0 28.3 52.7
148 62.5 45.4 84.2

Manual Integrations
APPROVED

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



#67
1,2-Dichlorobenzene
Concen: 2.674 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053960.D
Acq: 28 Apr 2023 01:18



Tgt Ion:146 Resp: 55550
Ion Ratio Lower Upper
146 100
111 44.0 32.6 49.0
148 64.2 51.0 76.4

