

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053961.D
 Acq On : 28 Apr 2023 01:43
 Operator : JC/MD
 Sample : 02528-06MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA37MS

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 07:23:01 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	147034	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	139505	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	76785	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	30490	3.404	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	68.000%	
7) Chloroethane-d5	1.916	69	29623	3.941	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.800%	
11) 1,1-Dichloroethene-d2	2.565	65	15983	4.336	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	86.800%	
20) 2-Butanone-d5	4.636	46	82293	50.169	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.340%	
24) Chloroform-d	5.060	84	91361	5.414	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	108.200%	
26) 1,2-Dichloroethane-d4	5.697	65	35653	4.571	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.400%	
32) Benzene-d6	5.723	84	144755	4.405	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.000%	
36) 1,2-Dichloropropane-d6	6.687	67	46279	4.655	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.000%	
41) Toluene-d8	7.896	98	135454	4.416	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.400%	
43) trans-1,3-Dichloroprop...	8.176	79	17138	4.383	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	87.600%	
46) 2-Hexanone-d5	8.632	63	71484	51.658	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	103.320%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	38620	4.807	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.200%	
66) 1,2-Dichlorobenzene-d4	12.189	152	52945	4.299	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	86.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	54648	5.010	ug/L	97
3) Chloromethane	1.520	50	54344	5.131	ug/L	97
5) Vinyl chloride	1.604	62	65800	5.384	ug/L	100
6) Bromomethane	1.858	94	40289	5.066	ug/L	94
8) Chloroethane	1.935	64	38497	5.046	ug/L	99
9) Trichlorofluoromethane	2.137	101	91855	5.090	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	61542	5.869	ug/L	92
12) 1,1-Dichloroethene	2.578	96	2175690	235.253	ug/L #	76
13) Acetone	2.652	43	60363	45.379	ug/L	99
14) Carbon disulfide	2.790	76	130521	5.150	ug/L	97
15) Methyl Acetate	2.961	43	15030	5.235	ug/L	94
16) Methylene chloride	3.044	84	57992	4.595	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	109396	5.460	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	53078	5.679	ug/L	99
19) 1,1-Dichloroethane	3.864	63	223632	13.222	ug/L	99
21) 2-Butanone	4.716	43	98104	53.280	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	159177	15.098	ug/L	97
23) Bromochloromethane	4.970	128	26229	5.591	ug/L	95
25) Chloroform	5.083	83	421675	22.957	ug/L	99

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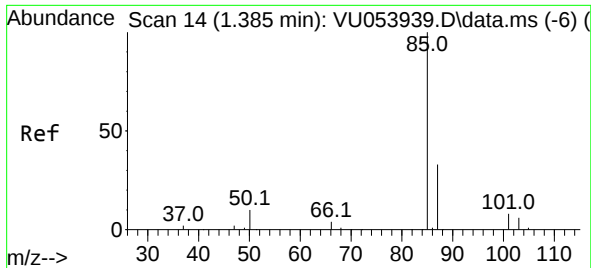
Reviewed By :Krupa Patel 05/01/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	58385	5.545	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	717007	45.720	ug/L	99
30) Cyclohexane	5.385	56	74909	5.316	ug/L	100
31) Carbon tetrachloride	5.523	117	92637	6.795	ug/L	98
33) Benzene	5.771	78	256525	6.523	ug/L	100
34) Trichloroethene	6.539	95	6573458	613.453	ug/L	98
35) Methylcyclohexane	6.758	83	88130	5.324	ug/L	99
37) 1,2-Dichloropropane	6.787	63	53883	5.523	ug/L	100
38) Bromodichloromethane	7.102	83	66651	5.465	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	77499	5.268	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	229052	52.047	ug/L	97
42) Toluene	7.967	91	233253	5.594	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	61763	5.191	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	45567	6.232	ug/L	98
47) Tetrachloroethene	8.558	164	27161306m	3198.070	ug/L	
48) 2-Hexanone	8.681	43	161719	48.346	ug/L	97
49) Dibromochloromethane	8.809	129	47528m	6.138	ug/L	
50) 1,2-Dibromoethane	8.919	107	37942	5.609	ug/L	94
51) Chlorobenzene	9.443	112	149975	5.297	ug/L	98
52) Ethylbenzene	9.565	91	245844	5.369	ug/L	97
53) m,p-Xylene	9.690	106	97914	5.580	ug/L	93
54) o-Xylene	10.095	106	95206	5.623	ug/L	97
55) Styrene	10.111	104	151577	5.472	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	46590	5.344	ug/L	97
59) Bromoform	10.285	173	24363	5.580	ug/L	96
60) Isopropylbenzene	10.478	105	245316	5.313	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	31177	5.265	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	195736	5.215	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	198725	5.232	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	161948	7.019	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	142273	6.102	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	170042	7.980	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	6701	5.492	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	84545	5.117	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	70582	4.693	ug/L	99
71) Naphthalene	14.082	128	110148	4.143	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	62743	4.675	ug/L	98

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

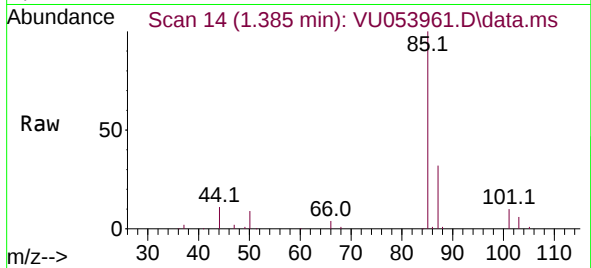
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

[illegible]



#2
Dichlorodifluoromethane
Concen: 5.010 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

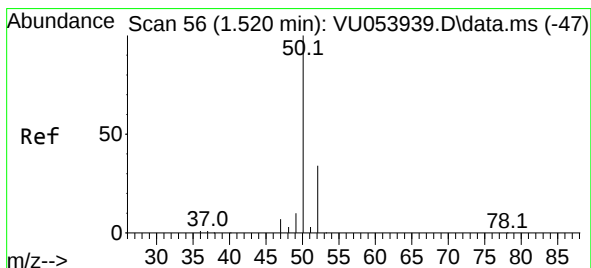
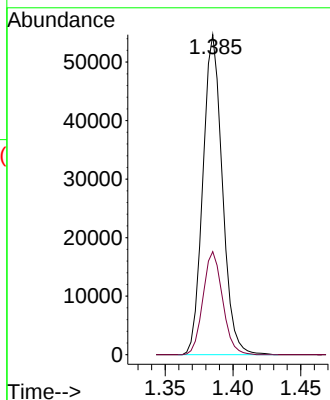
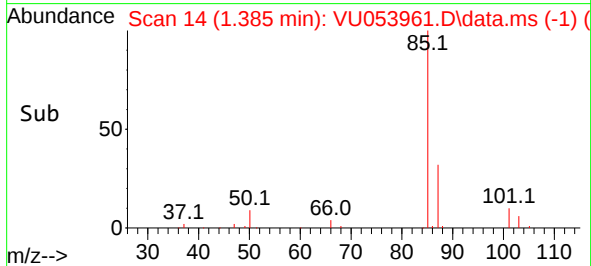
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



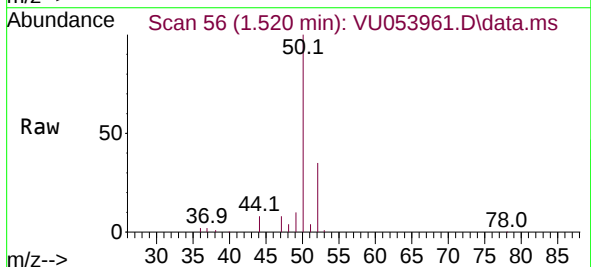
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Ion Ratio Lower Upper
85 100
87 32.2 24.5 36.7

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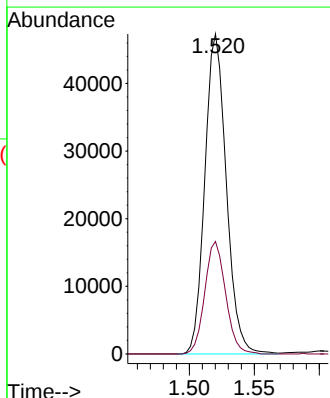
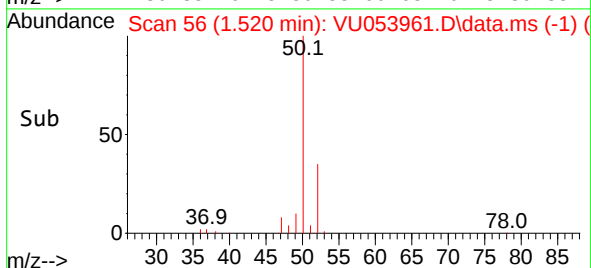
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

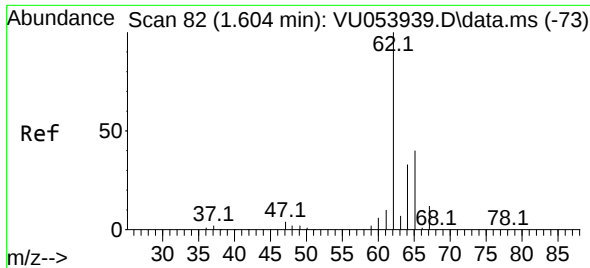


#3
Chloromethane
Concen: 5.131 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



Tgt Ion: 50 Resp: 54344
Ion Ratio Lower Upper
50 100
52 35.2 23.4 43.6





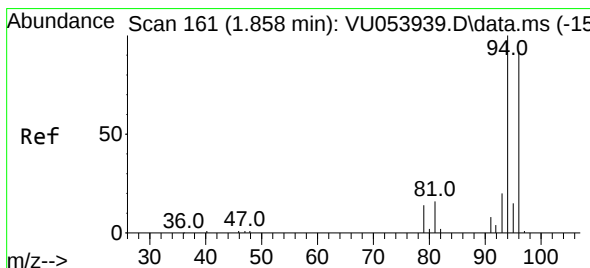
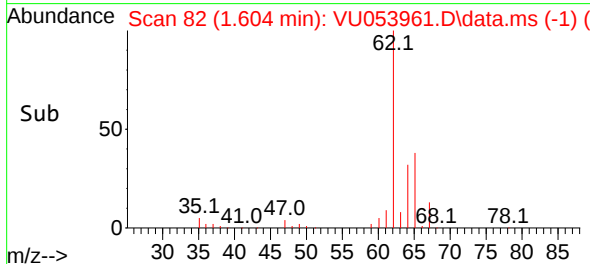
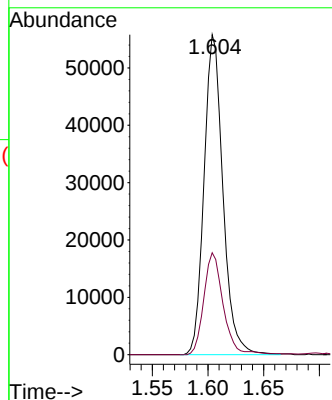
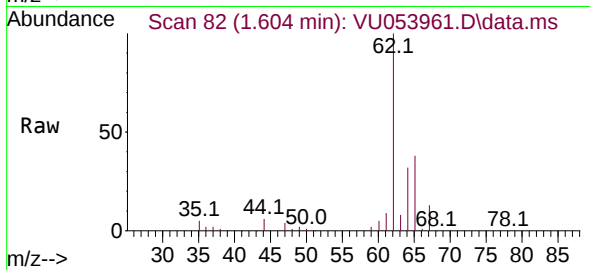
#5
 Vinyl chloride
 Concen: 5.384 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053961.D
 Acq: 28 Apr 2023 01:43

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA37MS

Tgt Ion: 62 Resp: 65800
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.4 41.6

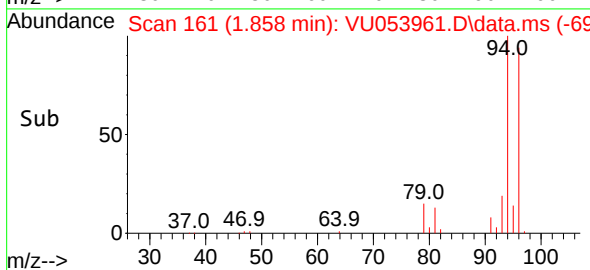
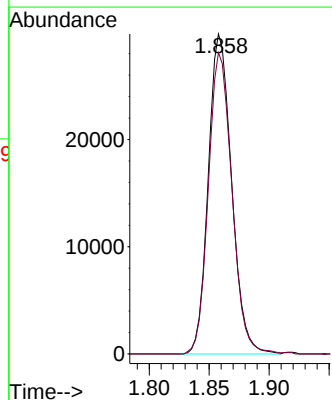
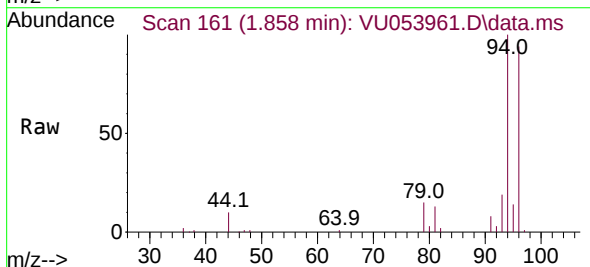
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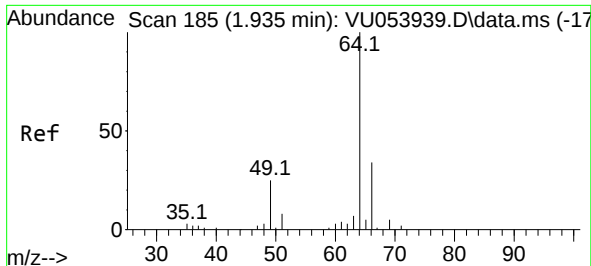
Reviewed By :Krupa Patel 05/01/2023
 Supervised By :Mahesh Dadoda 05/01/2023



#6
 Bromomethane
 Concen: 5.066 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU053961.D
 Acq: 28 Apr 2023 01:43

Tgt Ion: 94 Resp: 40289
 Ion Ratio Lower Upper
 94 100
 96 94.2 61.9 114.9





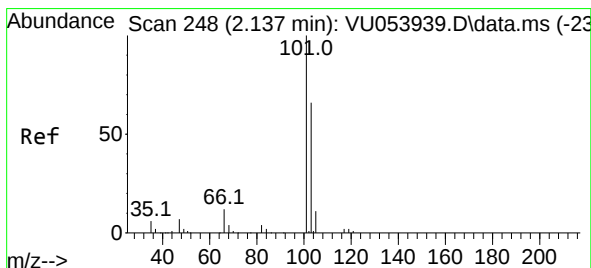
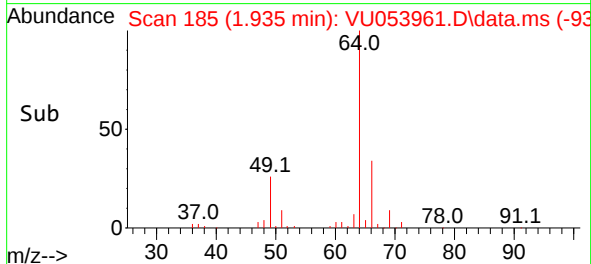
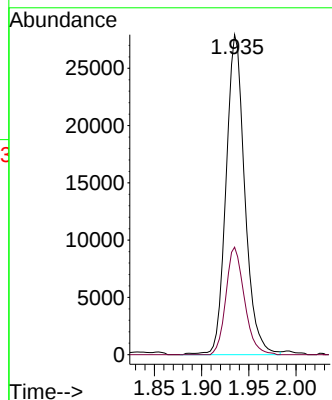
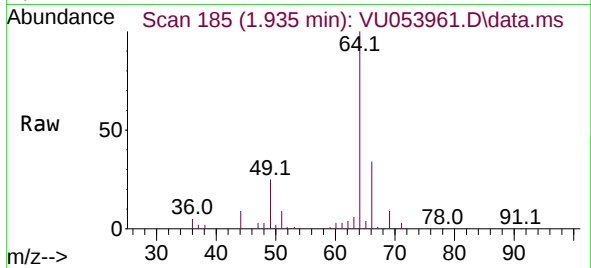
#8
Chloroethane
Concen: 5.046 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument : MSVOA_U
ClientSampleId : HOA37MS

Tgt Ion: 64 Resp: 3849
Ion Ratio Lower Upper
64 100
66 33.6 23.8 44.2

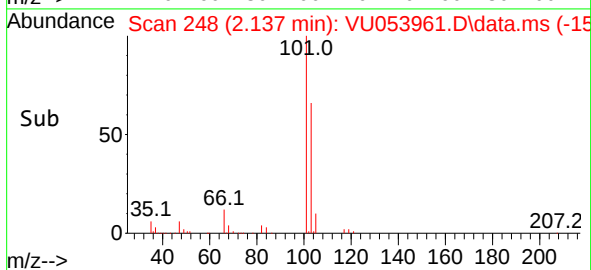
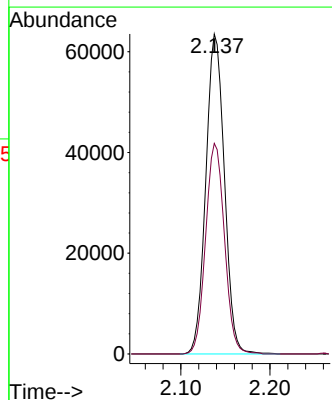
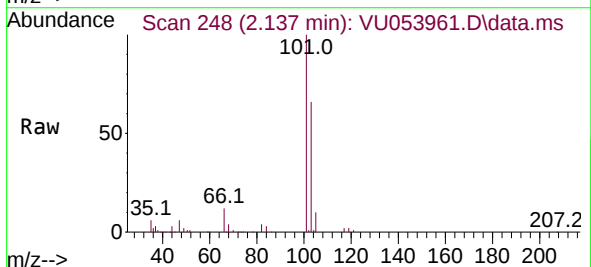
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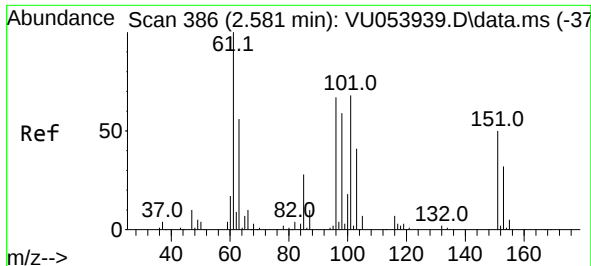
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#9
Trichlorofluoromethane
Concen: 5.090 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion:101 Resp: 91855
Ion Ratio Lower Upper
101 100
103 66.7 52.6 78.8





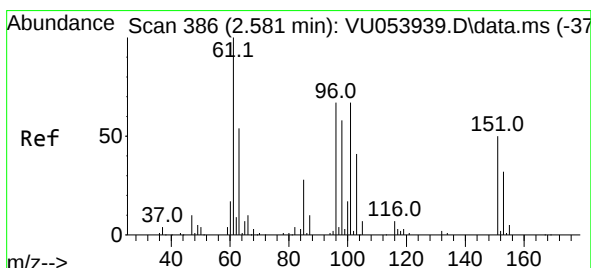
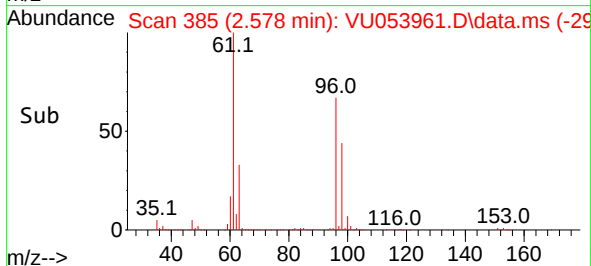
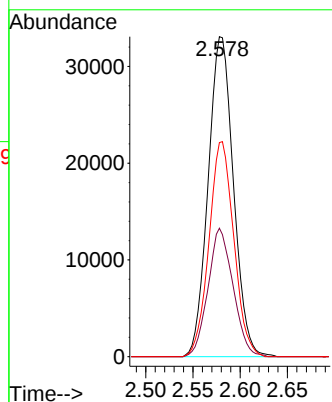
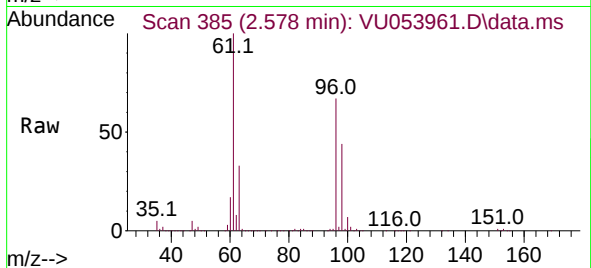
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.869 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion:101 Resp: 6154
Ion Ratio Lower Upper
101 100
85 39.6 34.7 52.1
151 66.0 59.1 88.7

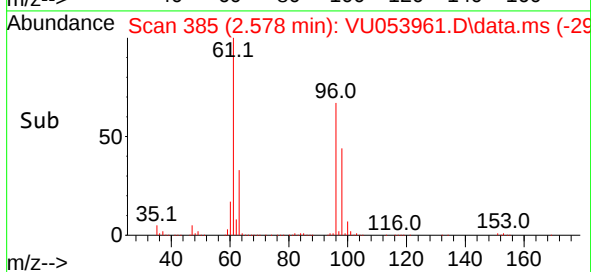
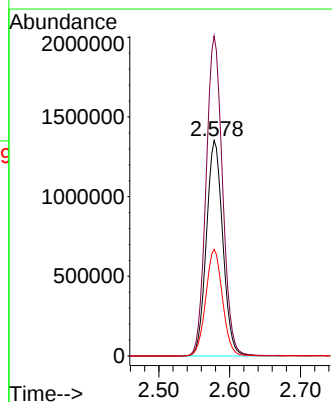
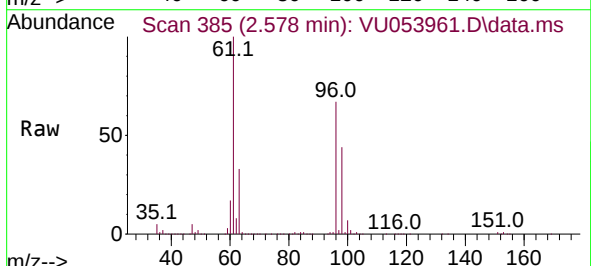
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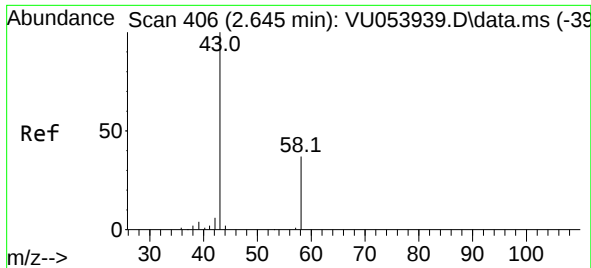
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#12
1,1-Dichloroethene
Concen: 235.253 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion: 96 Resp: 2175690
Ion Ratio Lower Upper
96 100
61 148.5 111.5 207.1
63 49.5 68.7 127.7#





#13

Acetone

Concen: 45.379 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.010 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion: 43 Resp: 6036

Ion Ratio Lower Upper

43 100

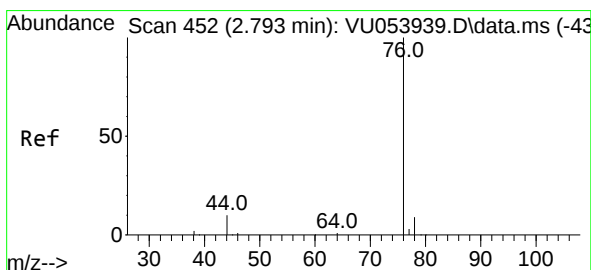
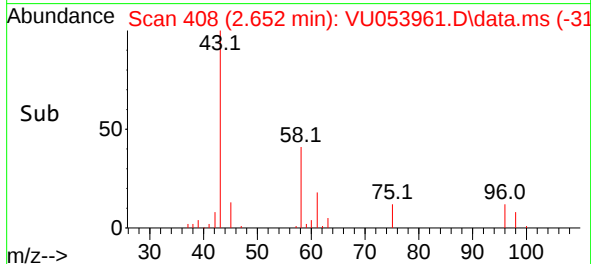
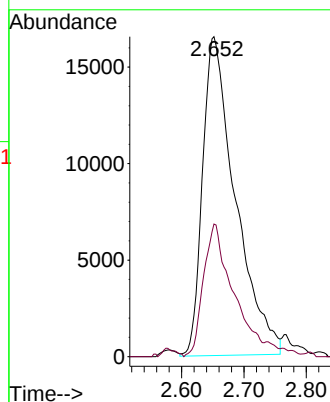
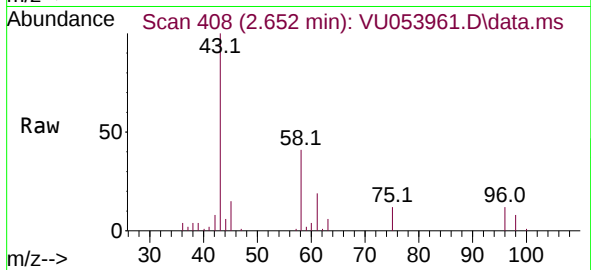
58 37.4 0.0 76.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#14

Carbon disulfide

Concen: 5.150 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053961.D

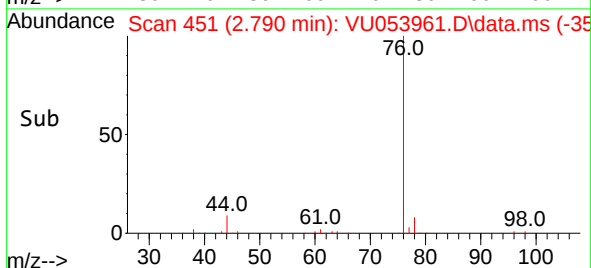
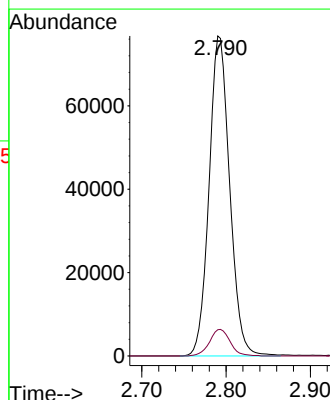
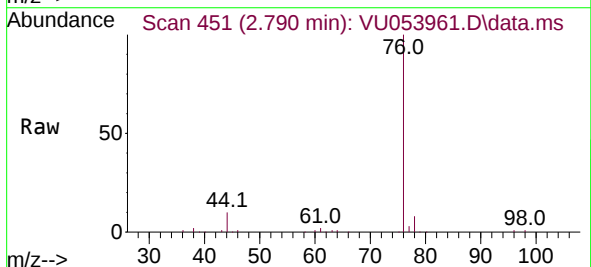
Acq: 28 Apr 2023 01:43

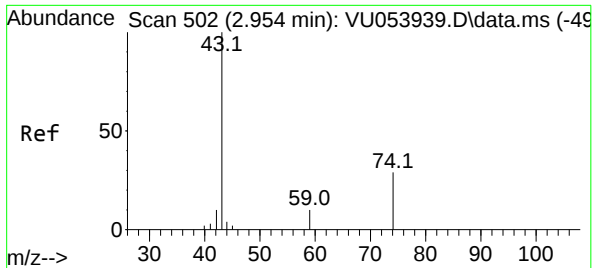
Tgt Ion: 76 Resp: 130521

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9





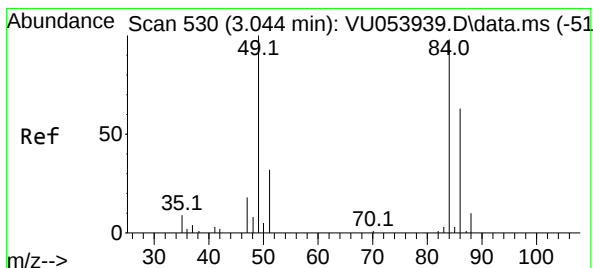
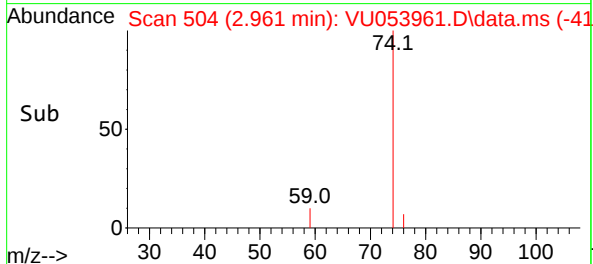
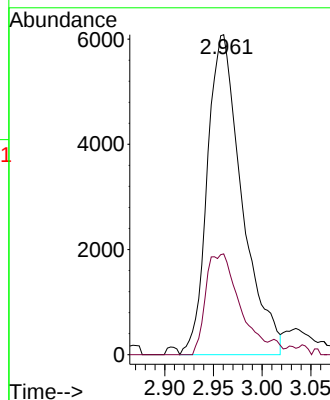
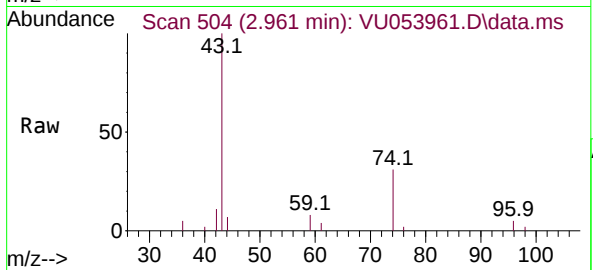
#15
Methyl Acetate
Concen: 5.235 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion: 43 Resp: 15030
Ion Ratio Lower Upper
43 100
74 30.7 22.0 33.0

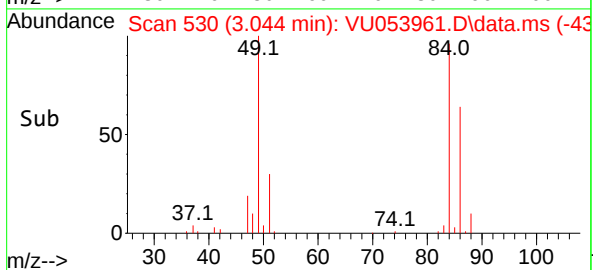
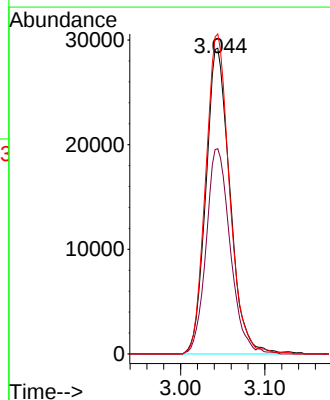
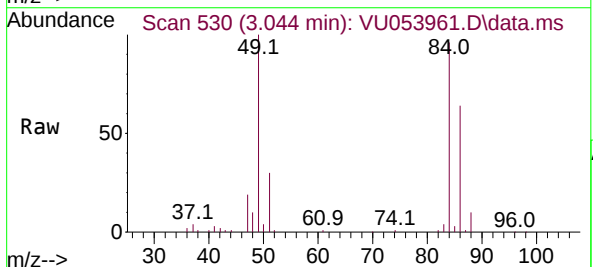
Manual Integrations
APPROVED

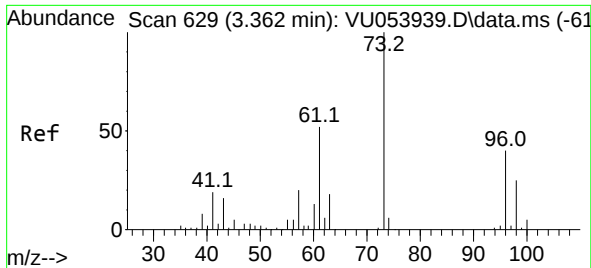
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#16
Methylene chloride
Concen: 4.595 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

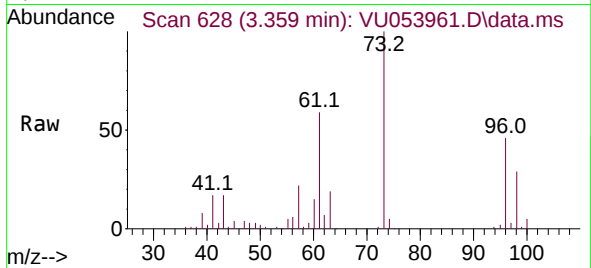
Tgt Ion: 84 Resp: 57992
Ion Ratio Lower Upper
84 100
86 67.1 45.0 83.6
49 104.7 74.8 138.8





#17
Methyl tert-butyl Ether
Concen: 5.460 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

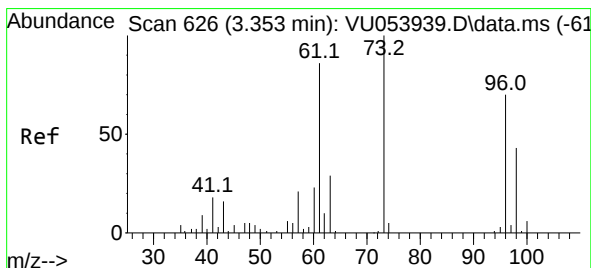
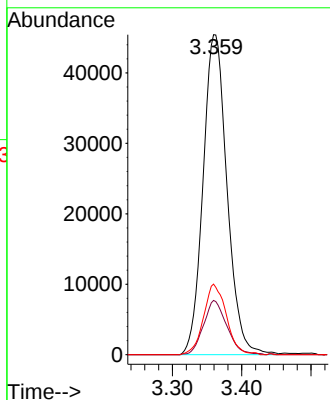
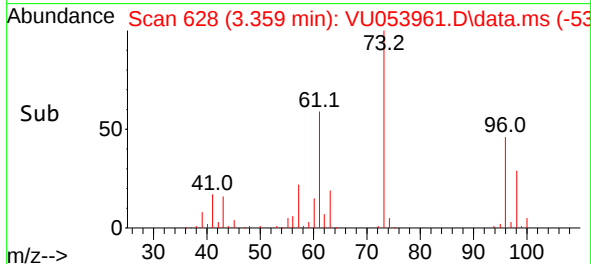
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion: 73 Resp: 109390
Ion Ratio Lower Upper
73 100
43 16.5 13.4 20.2
57 20.9 17.2 25.8

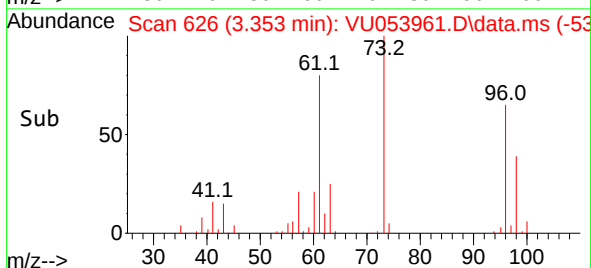
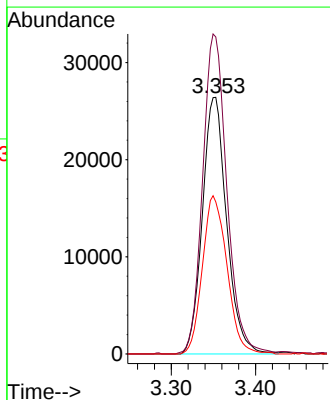
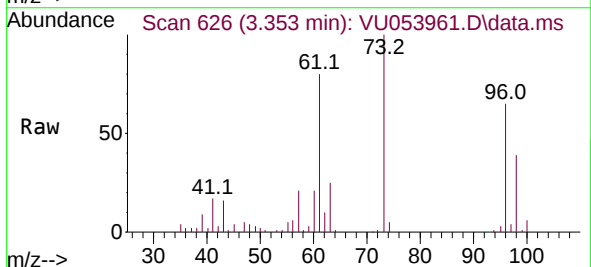
Manual Integrations
APPROVED

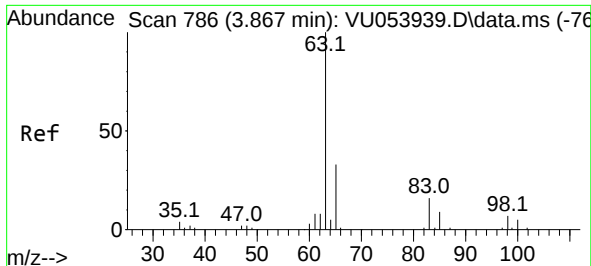
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#18
trans-1,2-Dichloroethene
Concen: 5.679 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion: 96 Resp: 53078
Ion Ratio Lower Upper
96 100
61 123.5 86.2 160.0
98 59.2 42.8 79.4





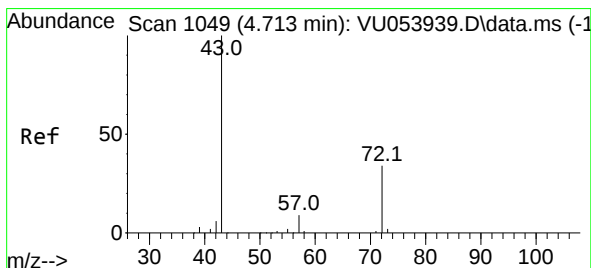
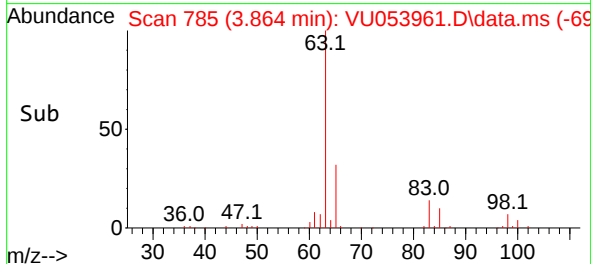
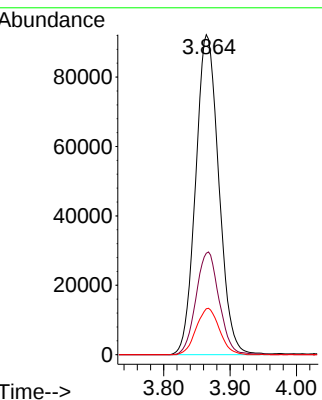
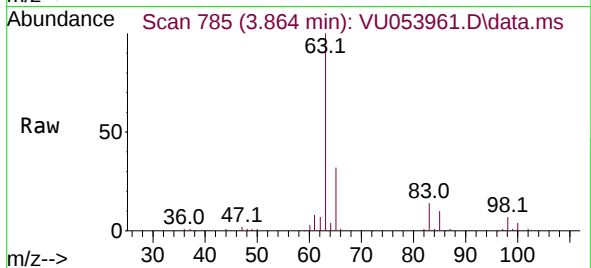
#19
1,1-Dichloroethane
Concen: 13.222 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion: 63 Resp: 22363
Ion Ratio Lower Upper
63 100
65 31.7 22.0 40.8
83 14.4 10.3 19.1

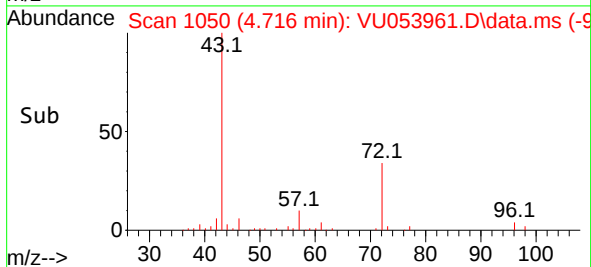
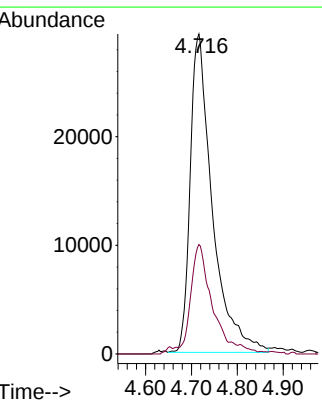
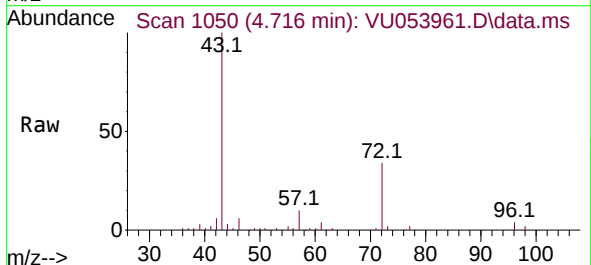
Manual Integrations
APPROVED

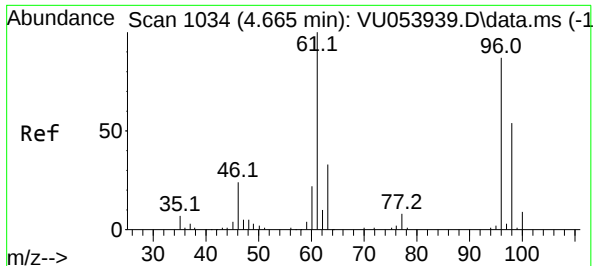
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#21
2-Butanone
Concen: 53.280 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

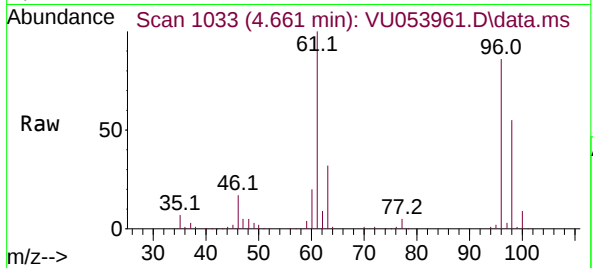
Tgt Ion: 43 Resp: 98104
Ion Ratio Lower Upper
43 100
72 29.7 15.7 47.0





#22
cis-1,2-Dichloroethene
Concen: 15.098 ug/L
RT: 4.661 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

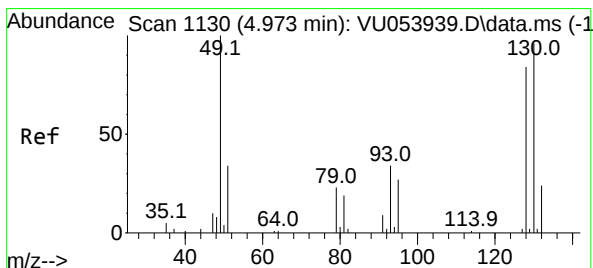
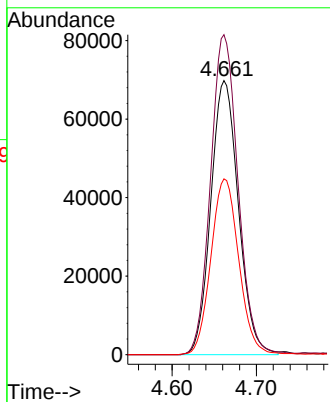
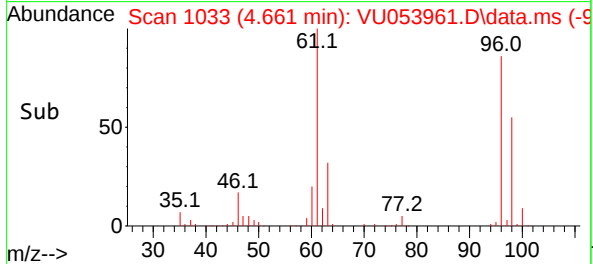
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion: 96 Resp: 15917
Ion Ratio Lower Upper
96 100
61 116.8 84.3 156.5
98 64.1 46.4 86.2

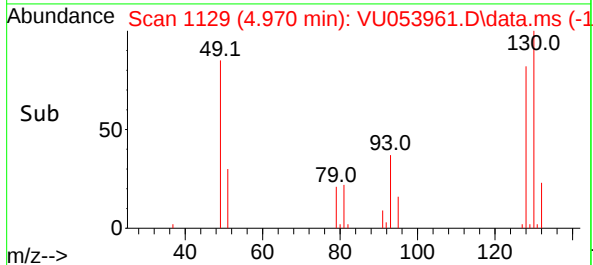
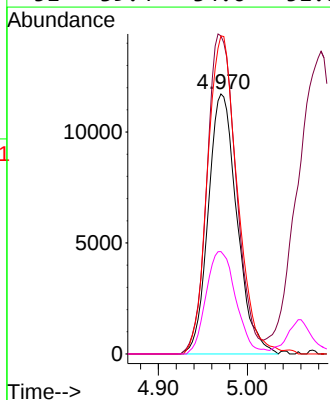
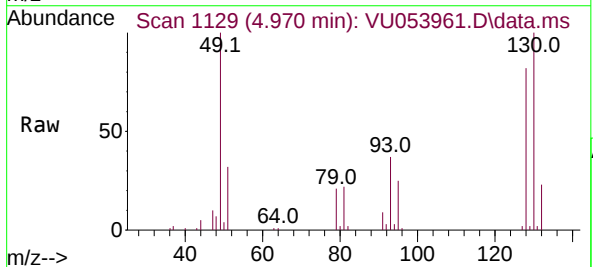
Manual Integrations
APPROVED

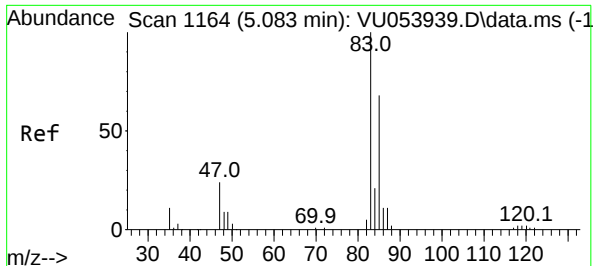
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#23
Bromochloromethane
Concen: 5.591 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion:128 Resp: 26229
Ion Ratio Lower Upper
128 100
49 122.4 91.3 169.5
130 122.4 87.6 162.8
51 39.4 34.6 51.8





#25

Chloroform

Concen: 22.957 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion: 83 Resp: 421679

Ion Ratio Lower Upper

83 100

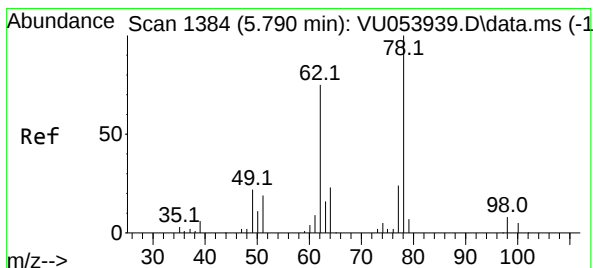
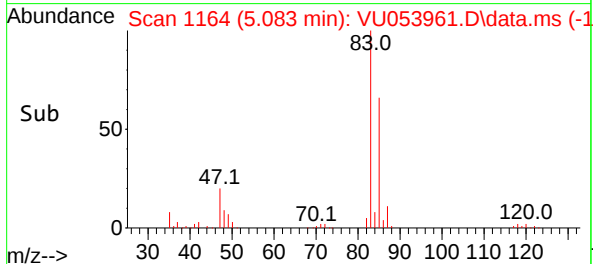
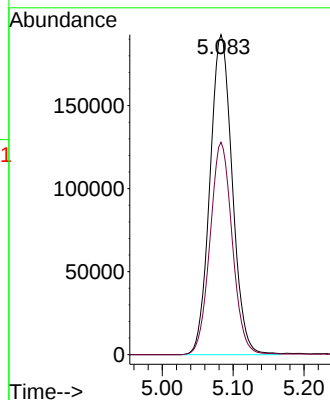
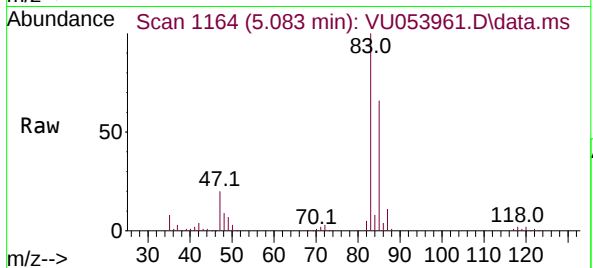
85 66.4 45.6 84.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#27

1,2-Dichloroethane

Concen: 5.545 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053961.D

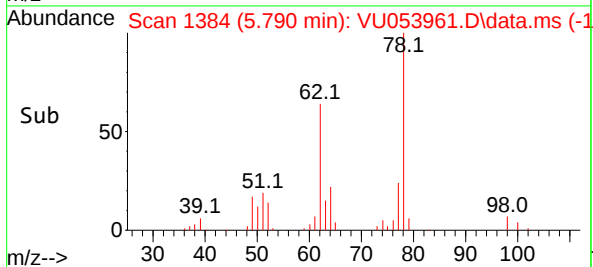
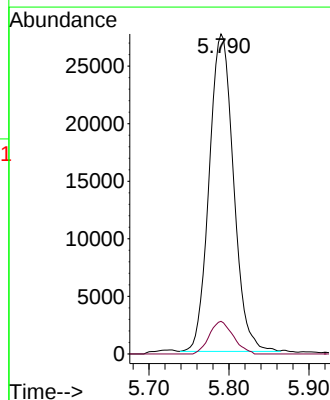
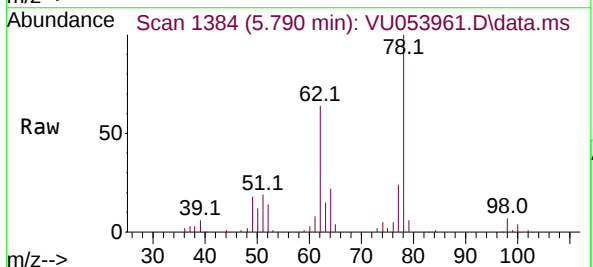
Acq: 28 Apr 2023 01:43

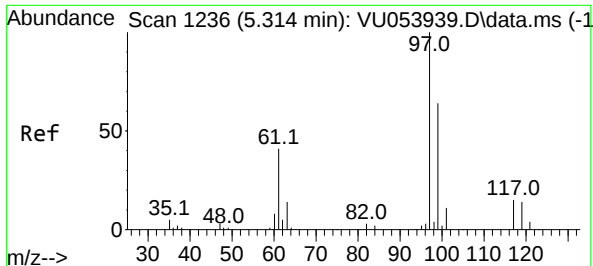
Tgt Ion: 62 Resp: 58385

Ion Ratio Lower Upper

62 100

98 10.2 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 45.720 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion: 97 Resp: 71700

Ion Ratio Lower Upper

97 100

99 65.1 52.9 79.3

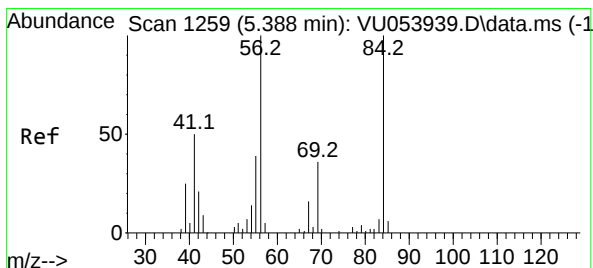
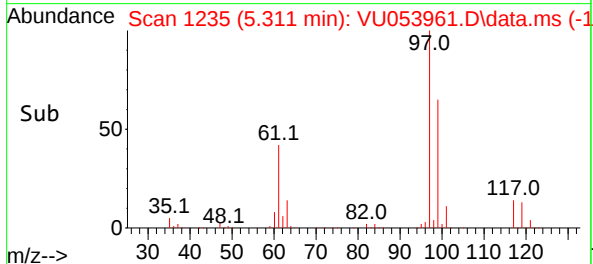
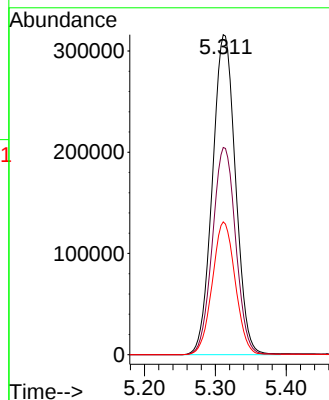
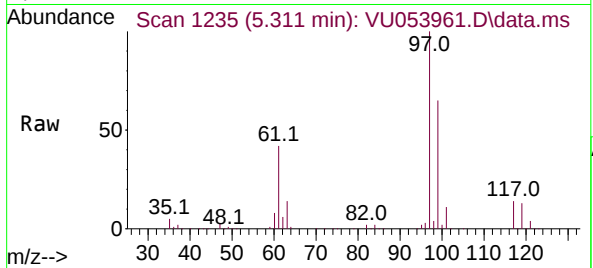
61 41.2 33.8 50.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#30

Cyclohexane

Concen: 5.316 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

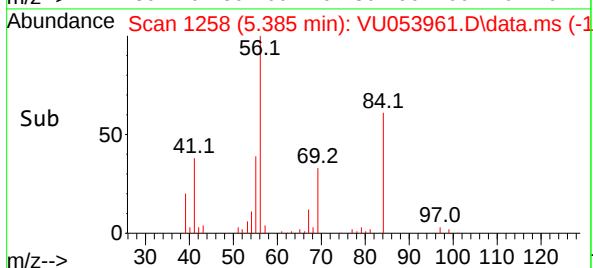
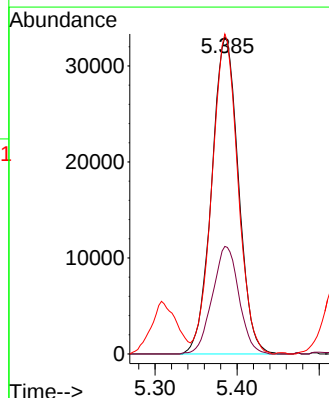
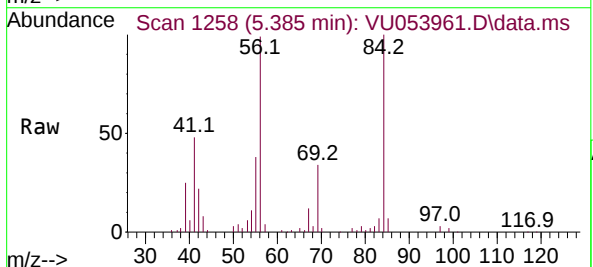
Tgt Ion: 56 Resp: 74909

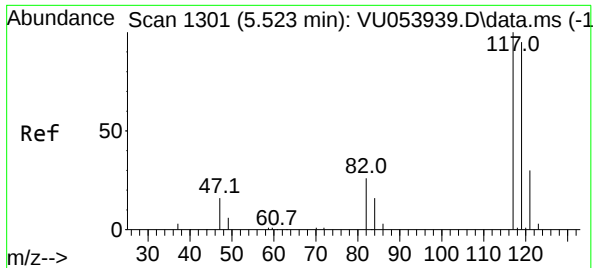
Ion Ratio Lower Upper

56 100

69 33.6 27.0 40.4

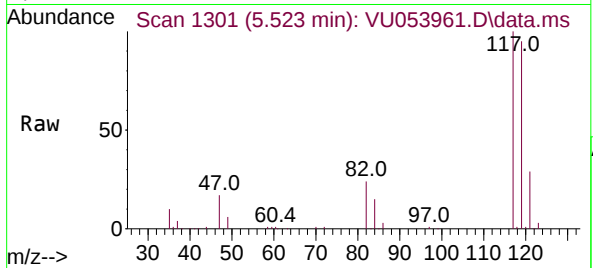
84 97.7 78.0 117.0





#31
Carbon tetrachloride
Concen: 6.795 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

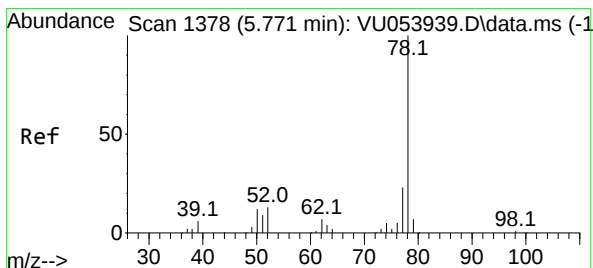
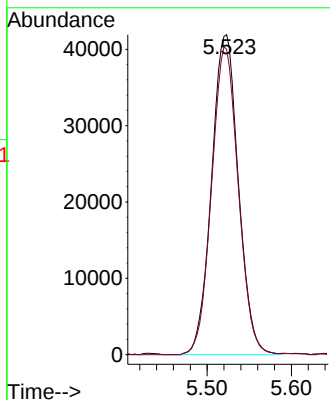
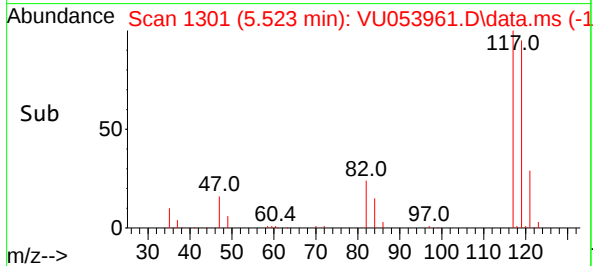
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion: 117 Resp: 9263
Ion Ratio Lower Upper
117 100
119 95.4 75.0 112.6

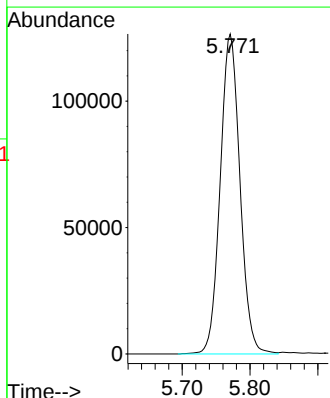
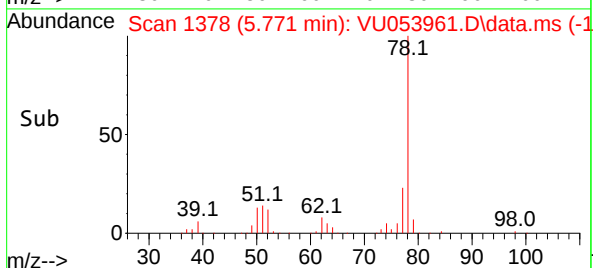
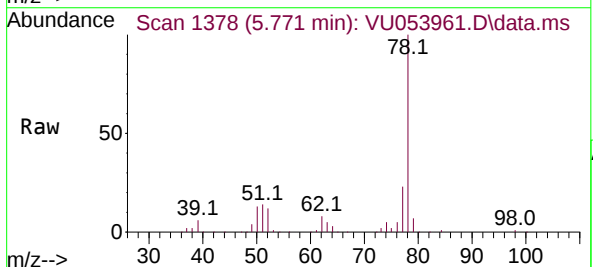
Manual Integrations
APPROVED

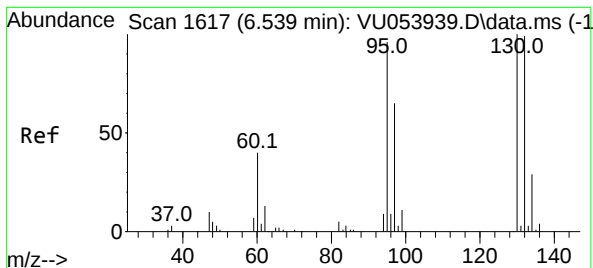
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#33
Benzene
Concen: 6.523 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion: 78 Resp: 256525





#34

Trichloroethene

Concen: 613.453 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion: 95 Resp: 657345

Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 96.3 69.9 129.9

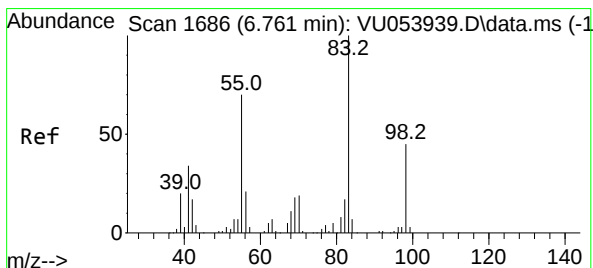
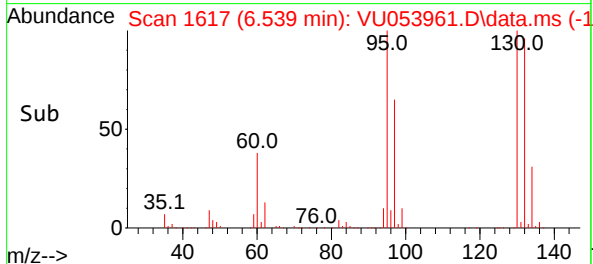
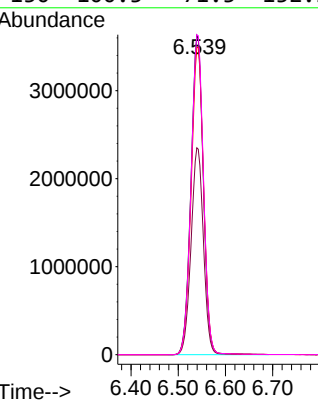
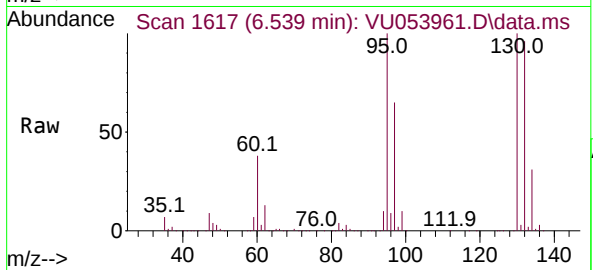
130 100.3 71.3 132.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#35

Methylcyclohexane

Concen: 5.324 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

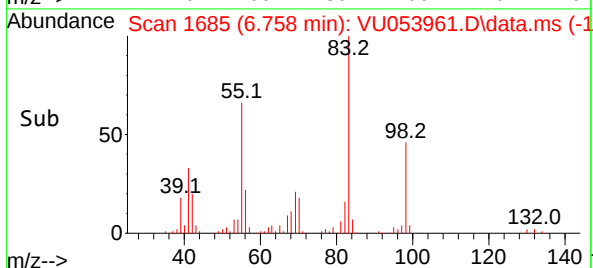
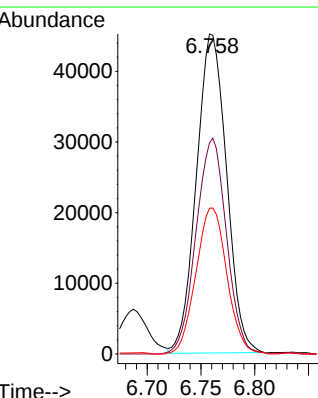
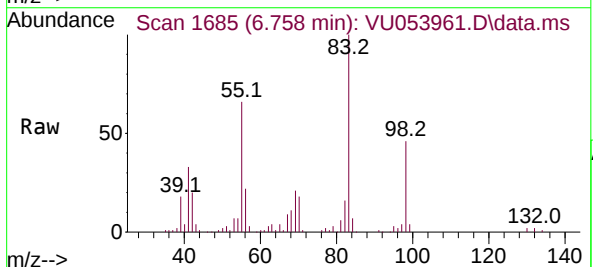
Tgt Ion: 83 Resp: 88130

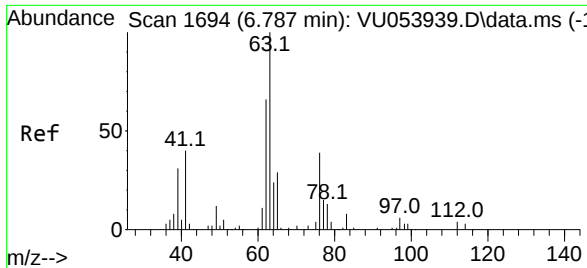
Ion Ratio Lower Upper

83 100

55 68.3 55.4 83.2

98 46.9 37.3 55.9





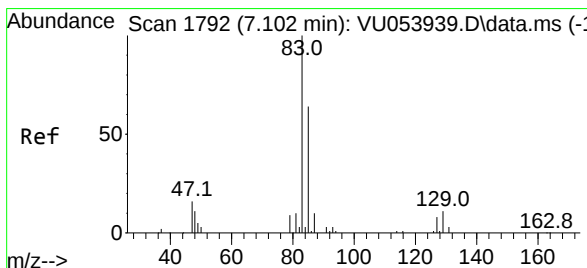
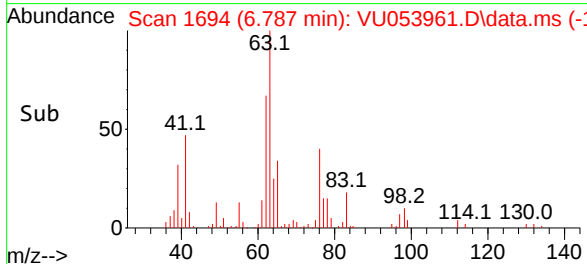
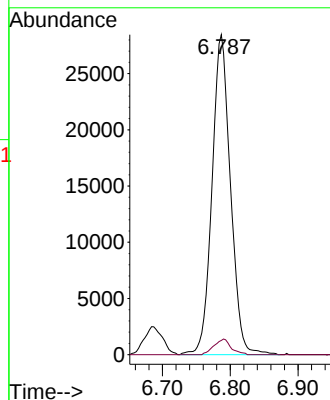
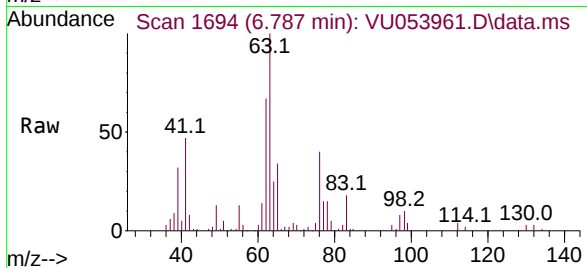
#37
1,2-Dichloropropane
Concen: 5.523 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion: 63 Resp: 5388
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3

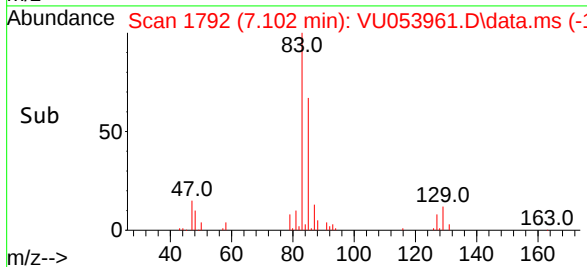
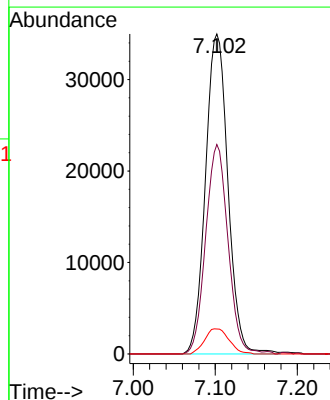
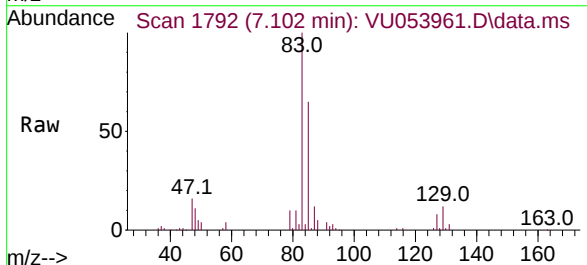
Manual Integrations
APPROVED

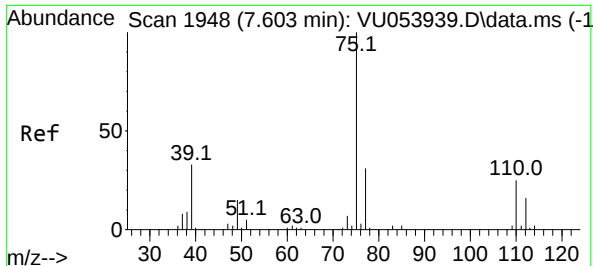
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#38
Bromodichloromethane
Concen: 5.465 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion: 83 Resp: 66651
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0
127 7.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.268 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion: 75 Resp: 77499

Ion Ratio Lower Upper

75 100

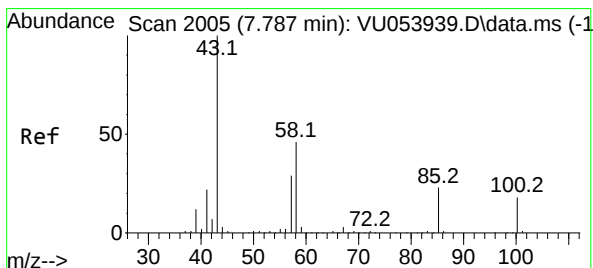
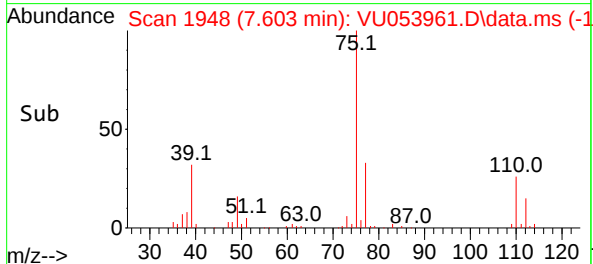
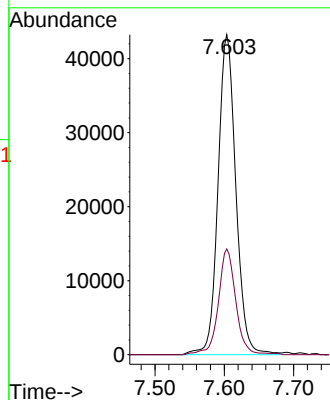
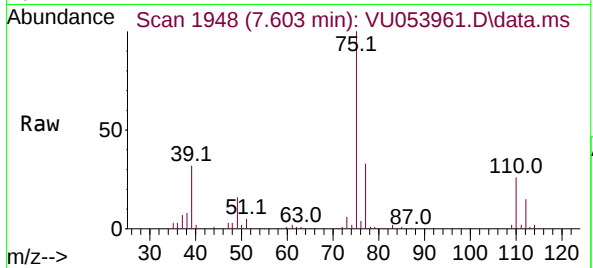
77 33.0 22.4 41.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#40

4-Methyl-2-pentanone

Concen: 52.047 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

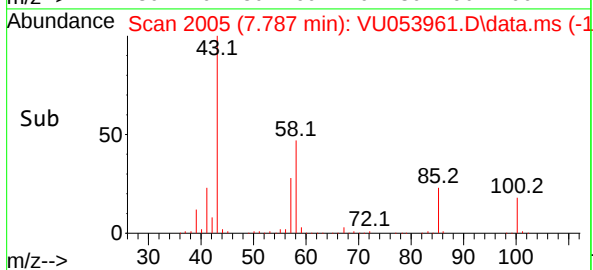
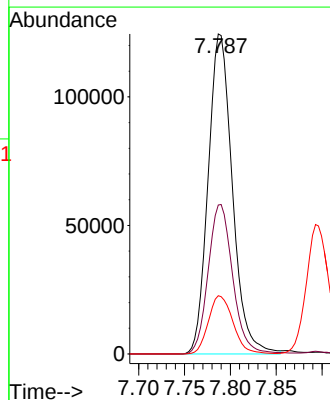
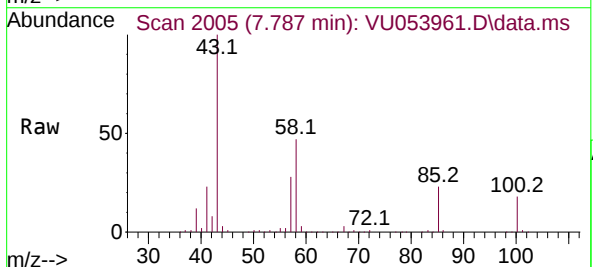
Tgt Ion: 43 Resp: 229052

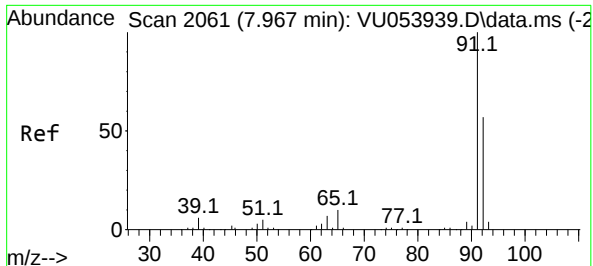
Ion Ratio Lower Upper

43 100

58 47.3 36.0 54.0

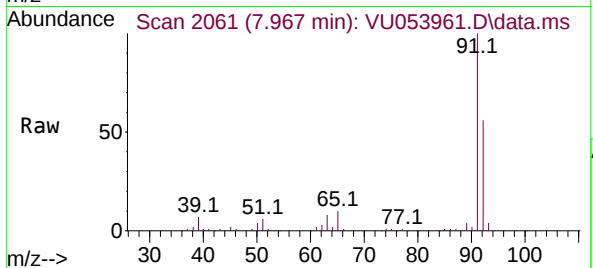
100 18.5 15.1 22.7





#42
Toluene
Concen: 5.594 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

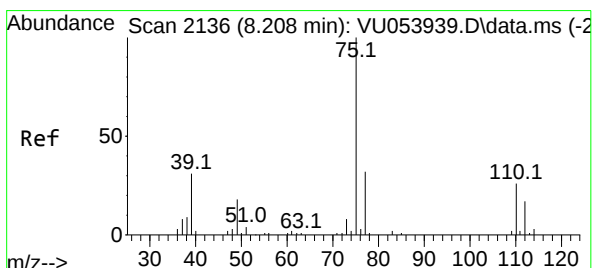
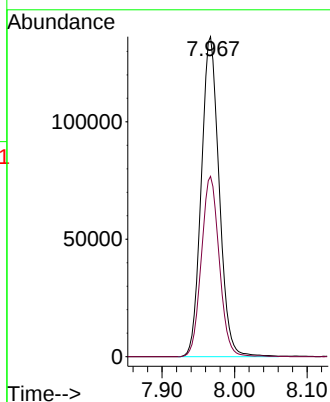
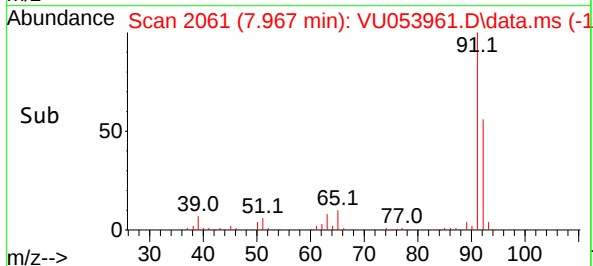
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



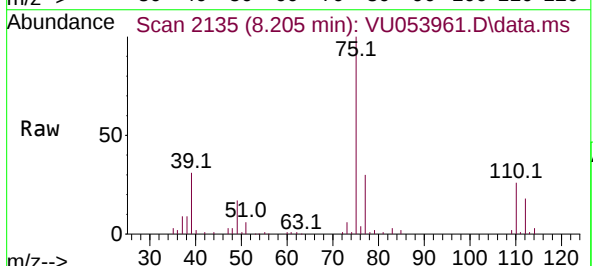
Tgt Ion: 91 Resp: 23325
Ion Ratio Lower Upper
91 100
92 56.4 39.5 73.3

Manual Integrations
APPROVED

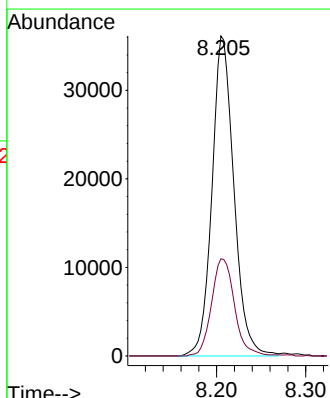
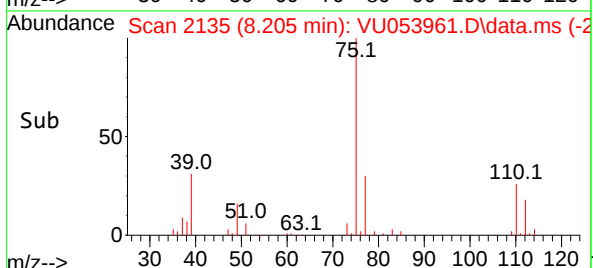
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

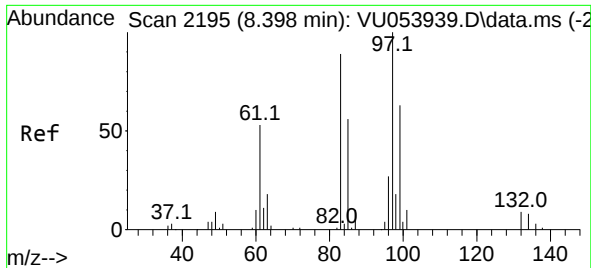


#44
trans-1,3-Dichloropropene
Concen: 5.191 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



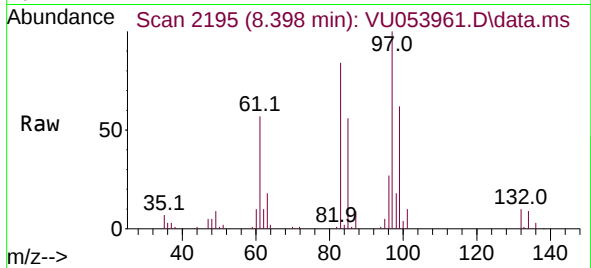
Tgt Ion: 75 Resp: 61763
Ion Ratio Lower Upper
75 100
77 30.4 23.3 43.3





#45
1,1,2-Trichloroethane
Concen: 6.232 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

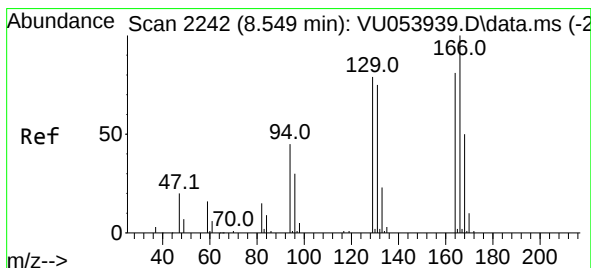
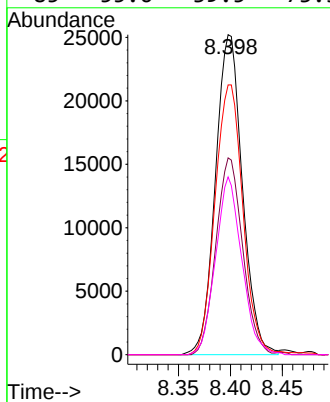
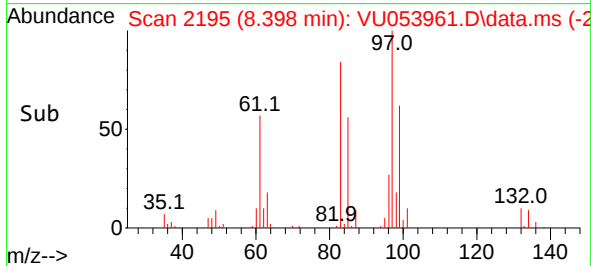
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	83.1
83	84.3	59.8	111.1
85	55.6	39.5	73.3

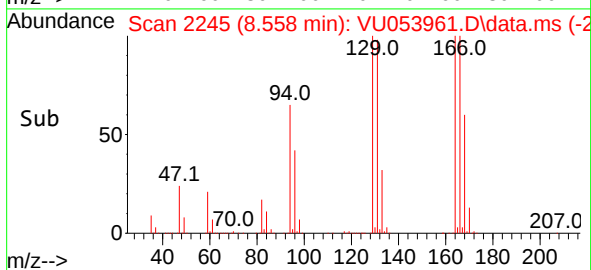
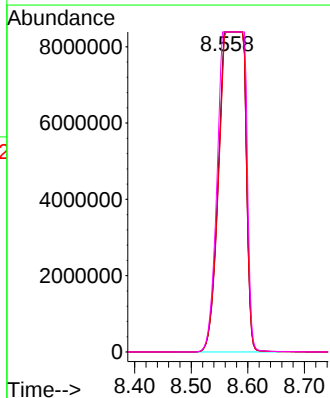
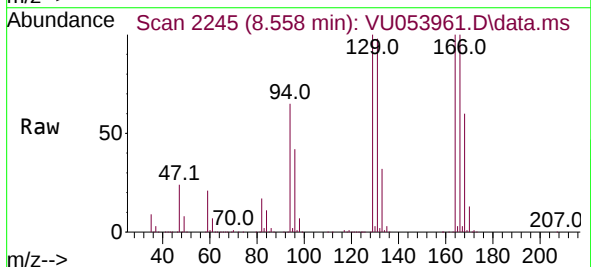
Manual Integrations
APPROVED

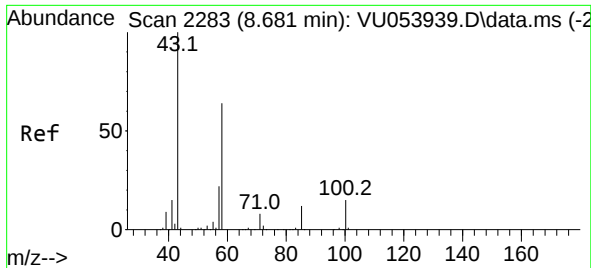
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#47
Tetrachloroethene
Concen: 3198.070 ug/L m
RT: 8.558 min Scan# 2245
Delta R.T. 0.010 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

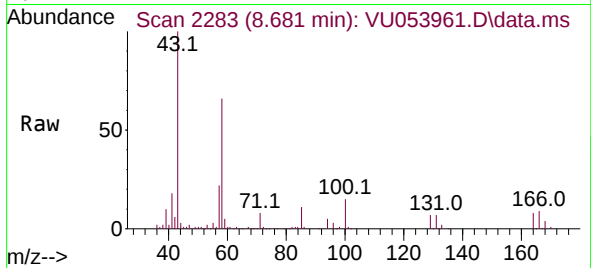
Tgt Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.3	126.8
131	98.3	64.4	119.6
166	100.0	88.3	163.9





#48
2-Hexanone
Concen: 48.346 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

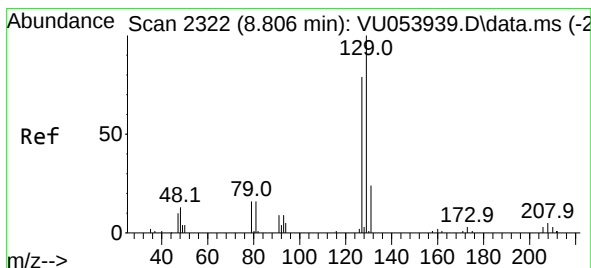
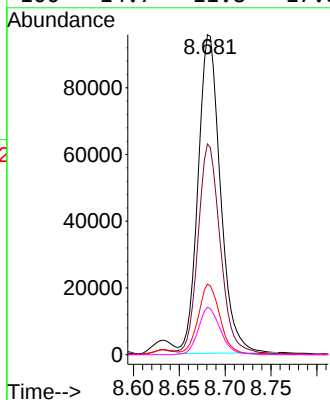
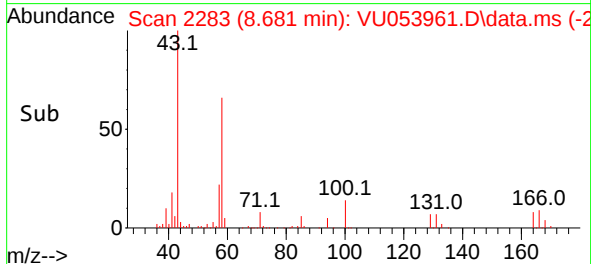
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion: 43 Resp: 161719
Ion Ratio Lower Upper
43 100
58 65.2 49.8 74.6
57 21.2 16.9 25.3
100 14.7 11.8 17.8

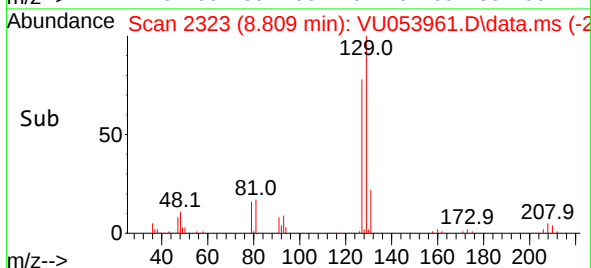
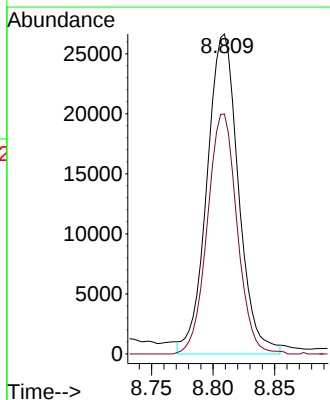
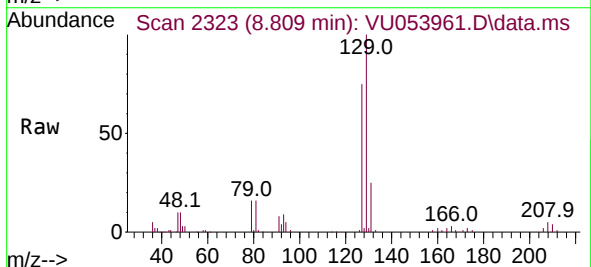
Manual Integrations
APPROVED

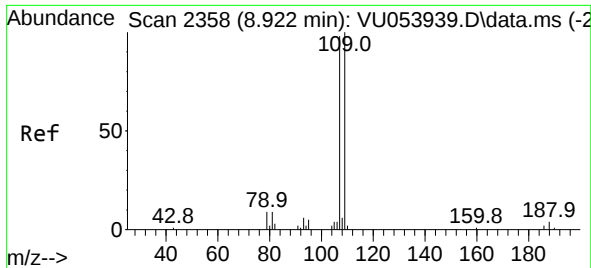
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#49
Dibromochloromethane
Concen: 6.138 ug/L m
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

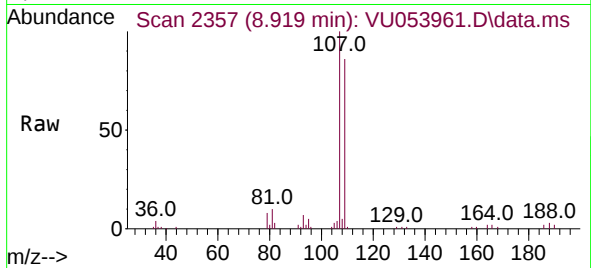
Tgt Ion:129 Resp: 47528
Ion Ratio Lower Upper
129 100
127 75.0 55.7 103.5





#50
1,2-Dibromoethane
Concen: 5.609 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

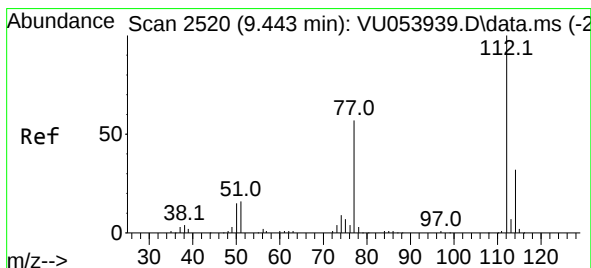
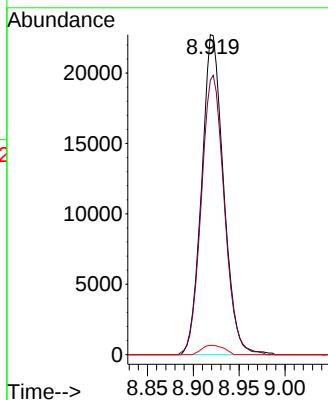
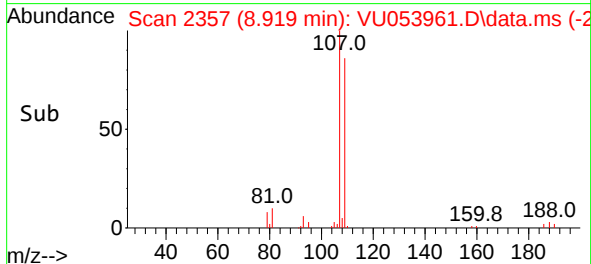
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion:107 Resp: 3794
Ion Ratio Lower Upper
107 100
109 85.8 64.3 119.5
188 2.9 2.1 3.1

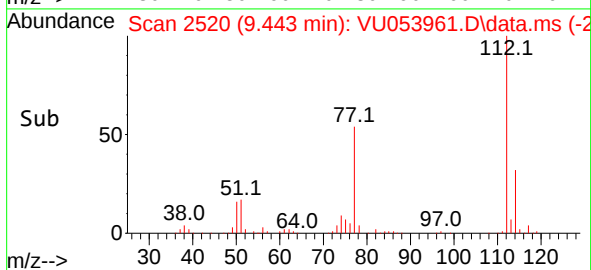
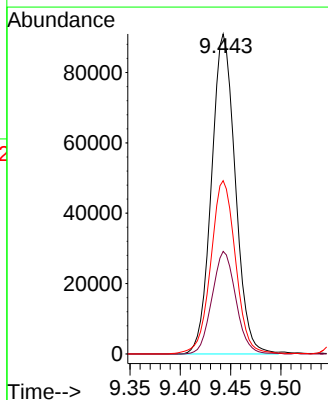
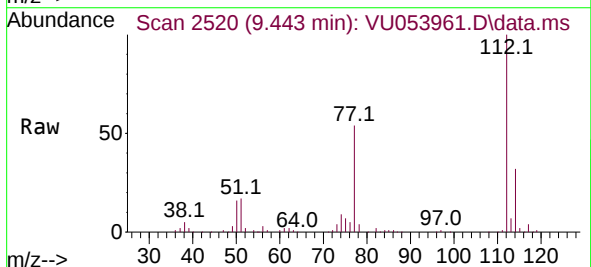
Manual Integrations
APPROVED

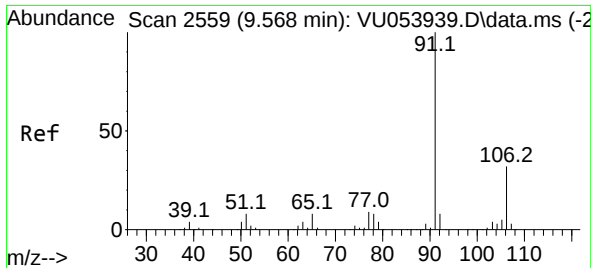
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#51
Chlorobenzene
Concen: 5.297 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion:112 Resp: 149975
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.6
77 54.2 44.4 66.6





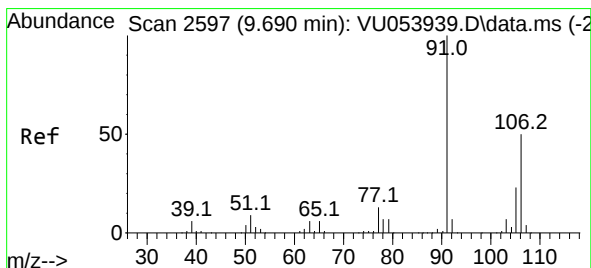
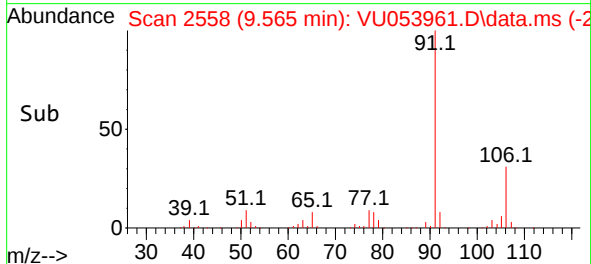
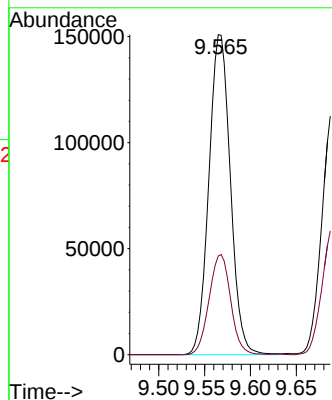
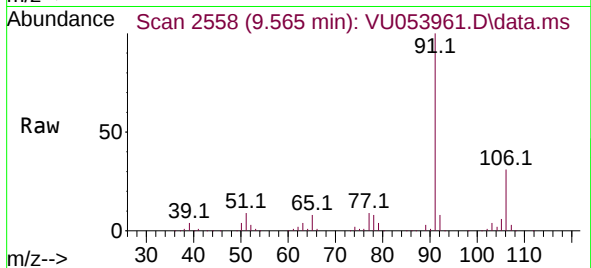
#52
Ethylbenzene
Concen: 5.369 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion: 91 Resp: 245844
Ion Ratio Lower Upper
91 100
106 30.8 22.8 42.4

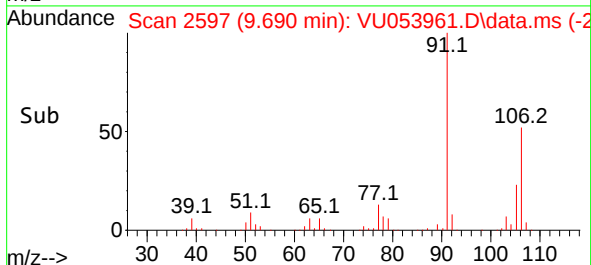
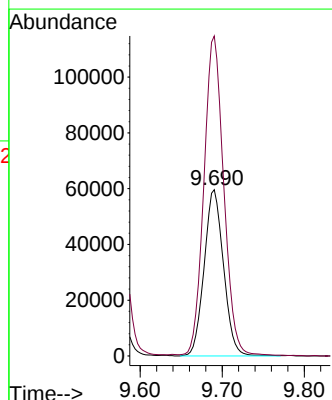
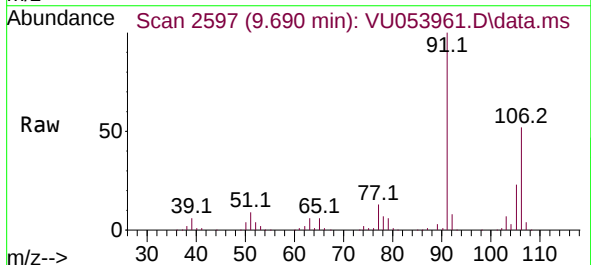
Manual Integrations
APPROVED

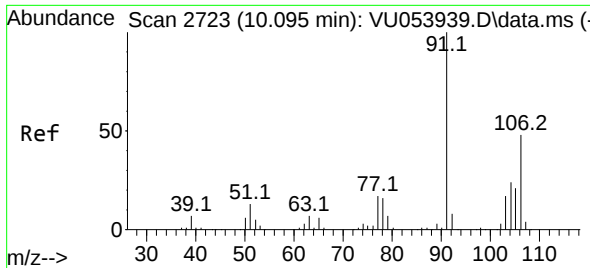
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#53
m,p-Xylene
Concen: 5.580 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Tgt Ion:106 Resp: 97914
Ion Ratio Lower Upper
106 100
91 192.5 142.2 264.0





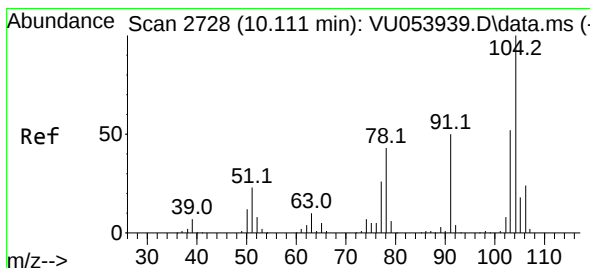
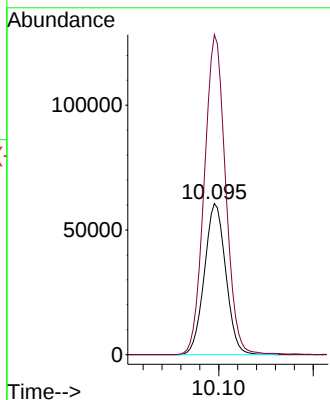
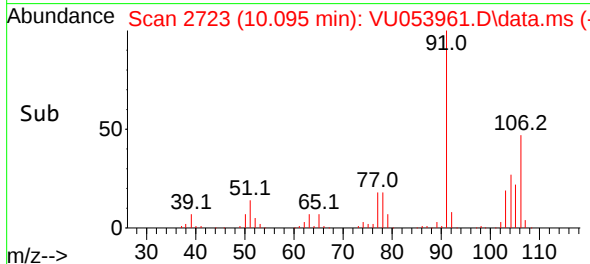
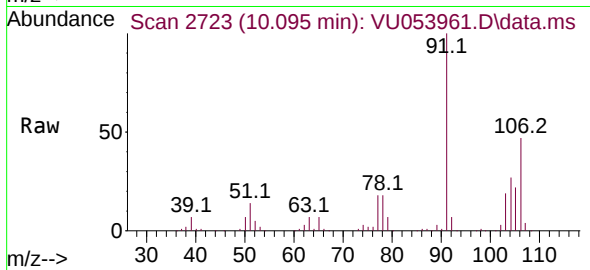
#54
o-Xylene
Concen: 5.623 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion:106 Resp: 95200
Ion Ratio Lower Upper
106 100
91 211.7 145.5 270.1

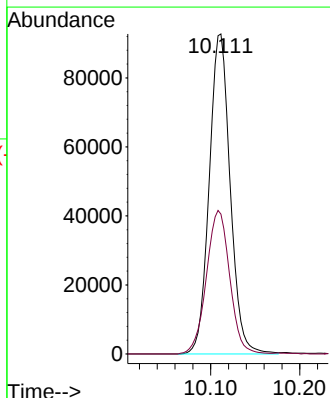
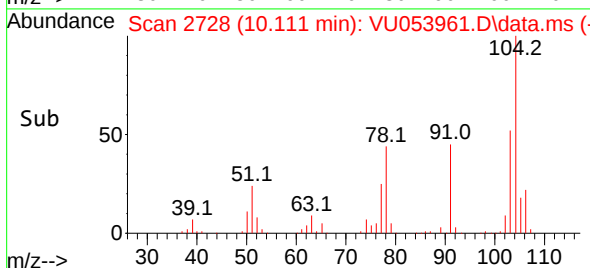
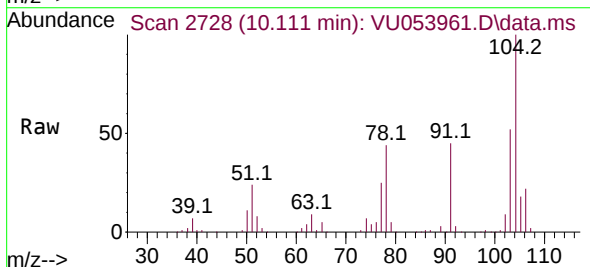
Manual Integrations
APPROVED

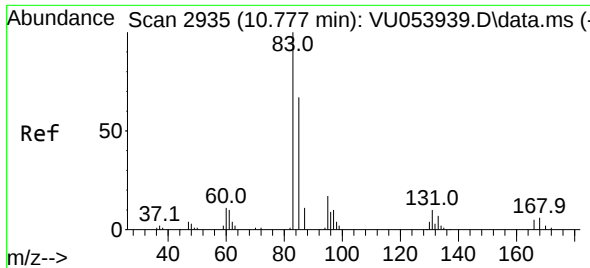
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#55
Styrene
Concen: 5.472 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

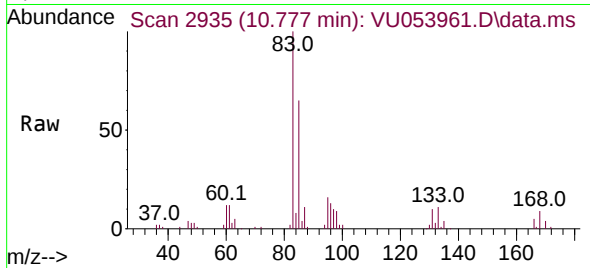
Tgt Ion:104 Resp: 151577
Ion Ratio Lower Upper
104 100
78 43.7 30.9 57.5





#57
1,1,2,2-Tetrachloroethane
Concen: 5.344 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

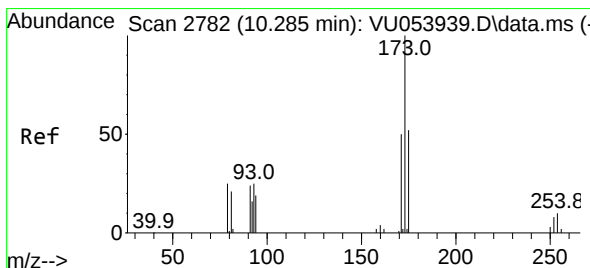
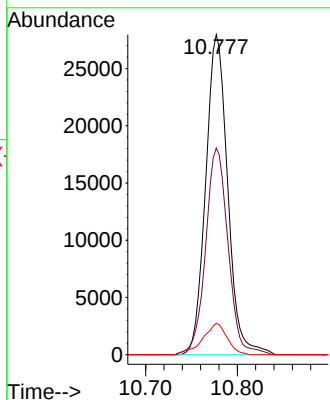
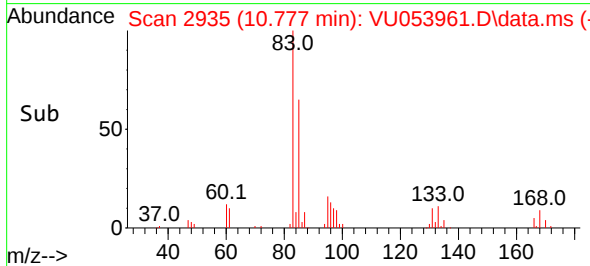
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



Tgt Ion: 83 Resp: 46590
Ion Ratio Lower Upper
83 100
85 64.6 43.5 80.9
131 9.8 7.8 11.6

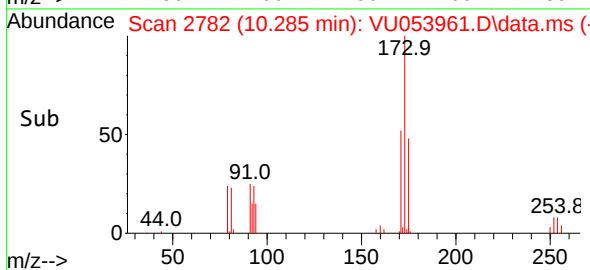
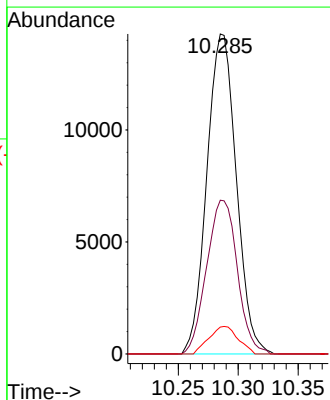
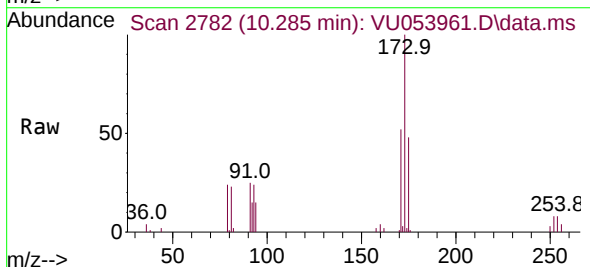
Manual Integrations
APPROVED

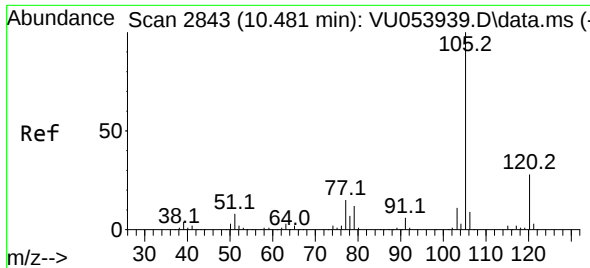
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#59
Bromoform
Concen: 5.580 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

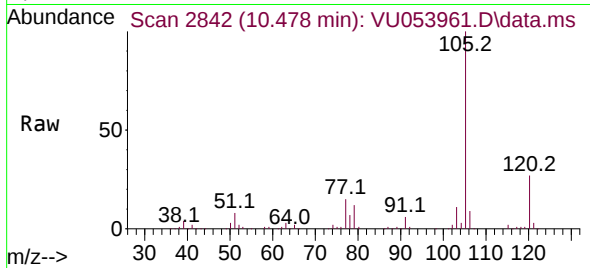
Tgt Ion:173 Resp: 24363
Ion Ratio Lower Upper
173 100
175 50.1 37.4 56.2
254 8.5 7.1 10.7





#60
Isopropylbenzene
Concen: 5.313 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

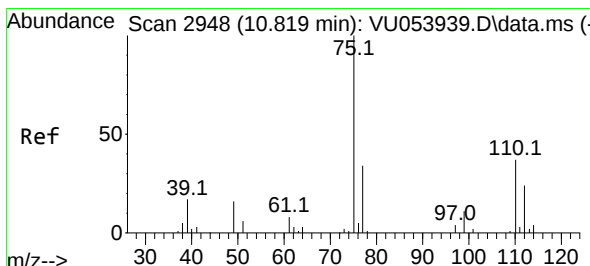
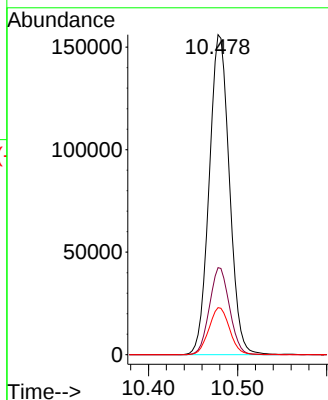
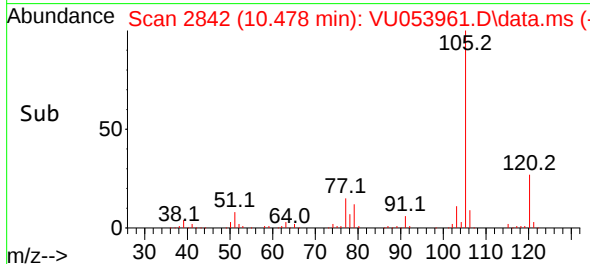
Instrument : MSVOA_U
ClientSampleId : HOA37MS



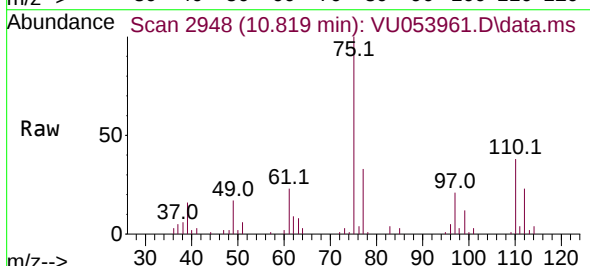
Tgt Ion:105 Resp: 245310
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.0
77 15.1 12.6 18.8

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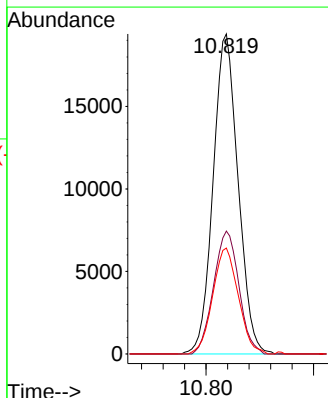
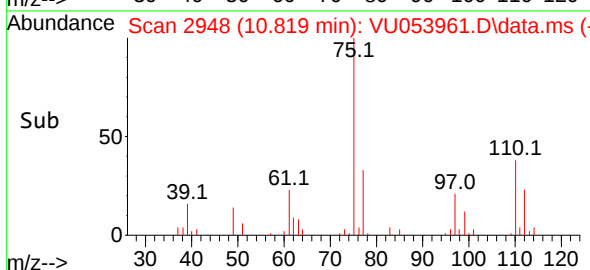
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

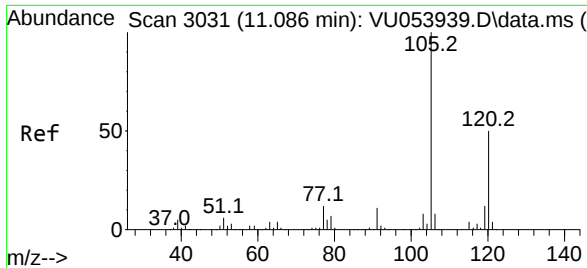


#61
1,2,3-Trichloropropane
Concen: 5.265 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



Tgt Ion: 75 Resp: 31177
Ion Ratio Lower Upper
75 100
110 39.0 30.7 46.1
77 34.1 26.2 39.4





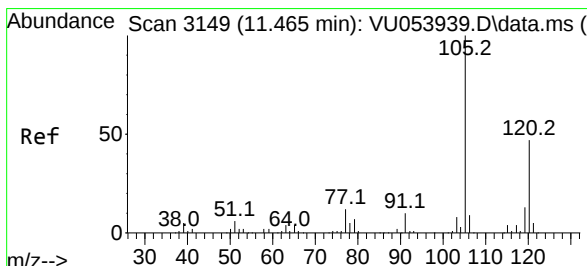
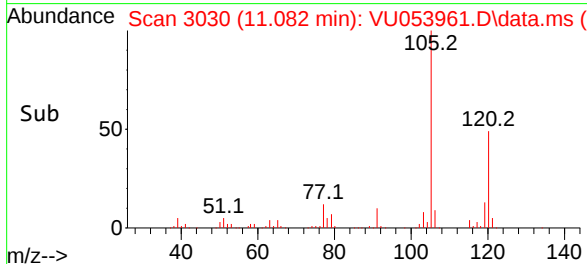
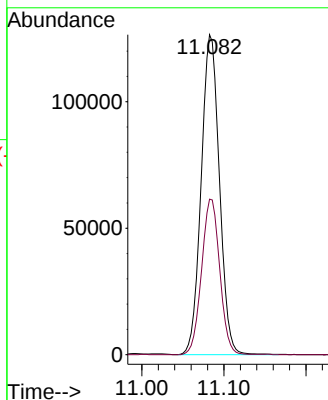
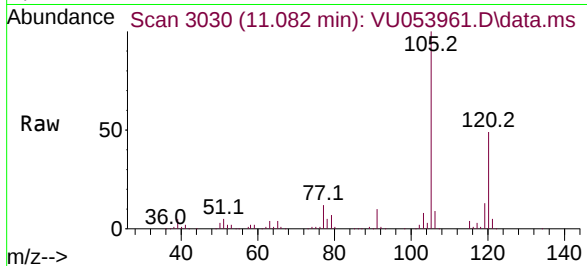
#62
1,3,5-Trimethylbenzene
Concen: 5.215 ug/L
RT: 11.082 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

Instrument :
MSVOA_U
ClientSampleId :
HOA37MS

Tgt Ion:105 Resp: 195730
Ion Ratio Lower Upper
105 100
120 48.3 39.3 58.9

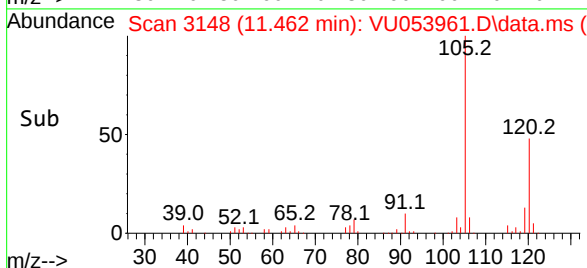
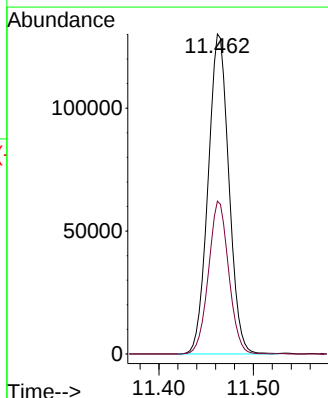
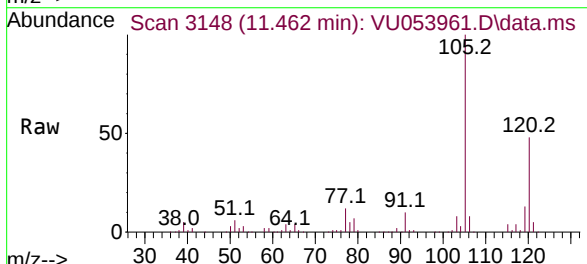
Manual Integrations
APPROVED

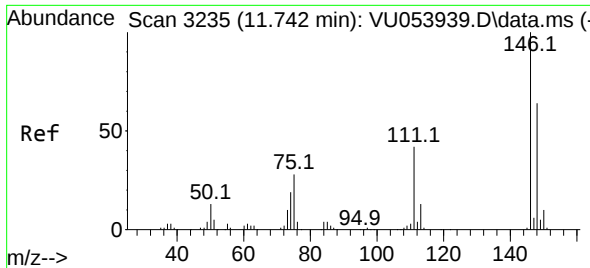
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#63
1,2,4-Trimethylbenzene
Concen: 5.232 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

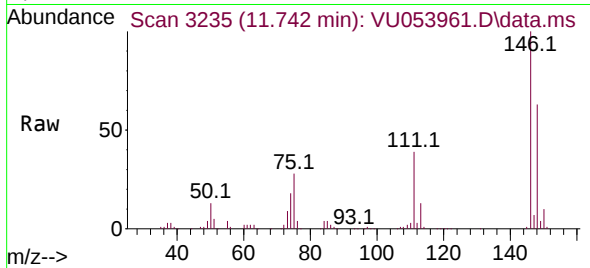
Tgt Ion:105 Resp: 198725
Ion Ratio Lower Upper
105 100
120 46.5 37.1 55.7





#64
1,3-Dichlorobenzene
Concen: 7.019 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

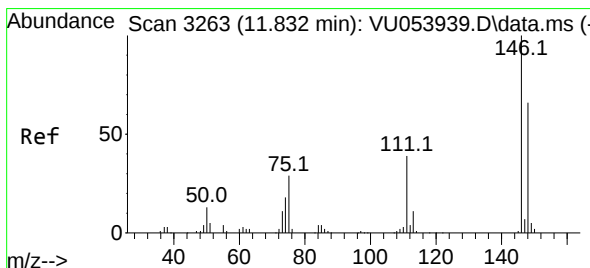
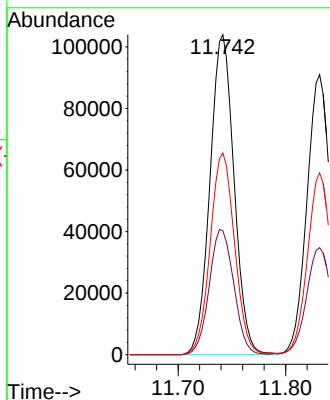
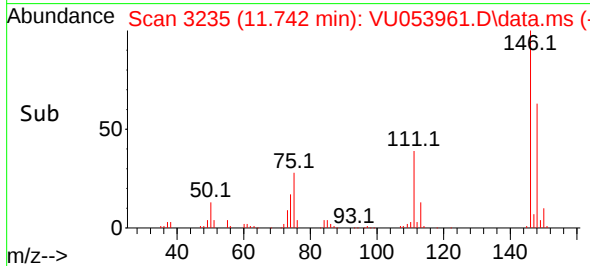
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



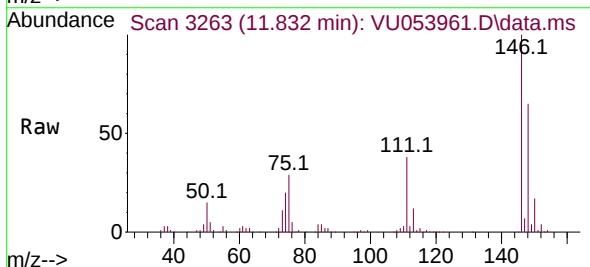
Tgt Ion:146 Resp: 161948
Ion Ratio Lower Upper
146 100
111 38.8 27.9 51.9
148 63.1 43.7 81.1

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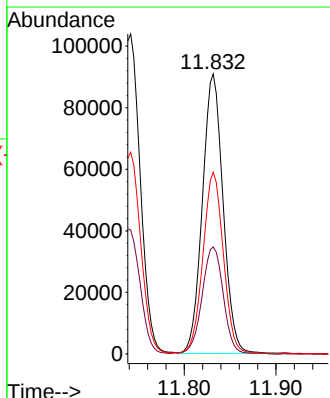
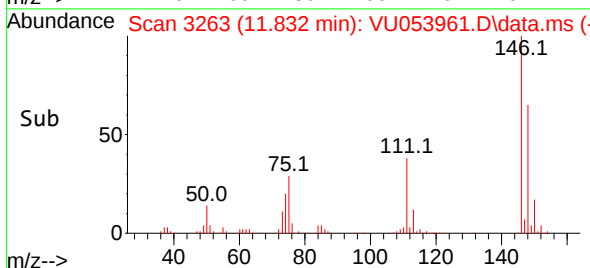
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

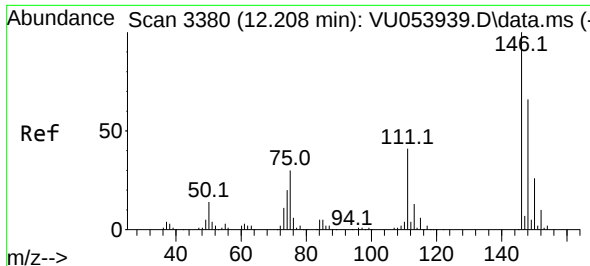


#65
1,4-Dichlorobenzene
Concen: 6.102 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



Tgt Ion:146 Resp: 142273
Ion Ratio Lower Upper
146 100
111 38.2 28.3 52.7
148 64.9 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 7.980 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

Instrument :

MSVOA_U

ClientSampleId :

HOA37MS

Tgt Ion:146 Resp: 17004

Ion Ratio Lower Upper

146 100

111 42.3 32.6 49.0

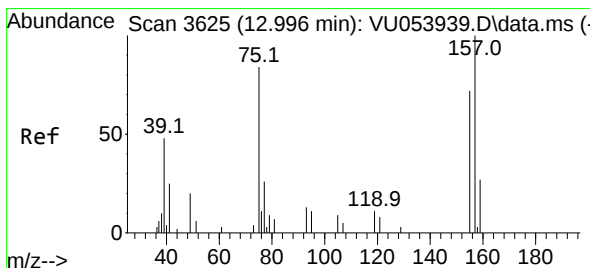
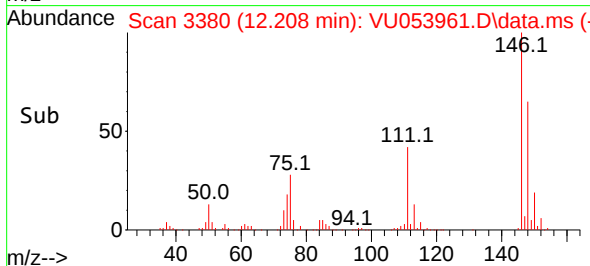
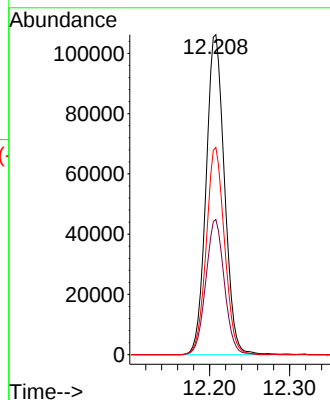
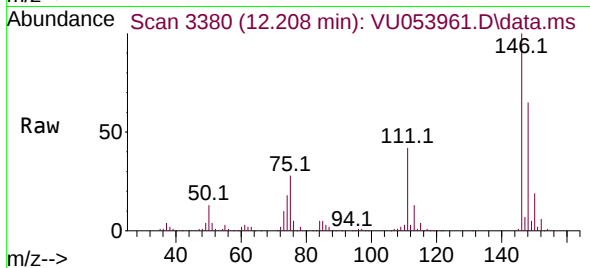
148 64.8 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 5.492 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053961.D

Acq: 28 Apr 2023 01:43

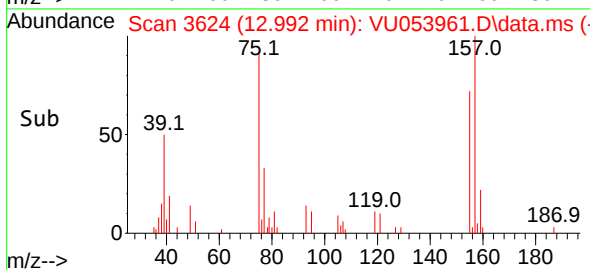
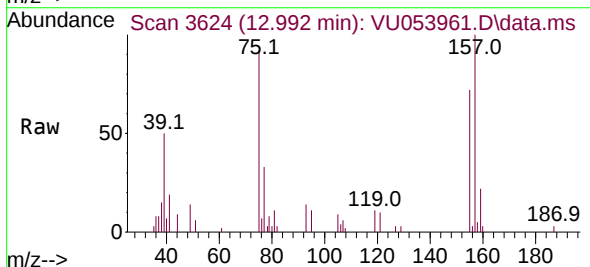
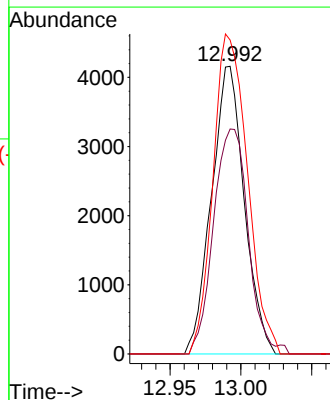
Tgt Ion: 75 Resp: 6701

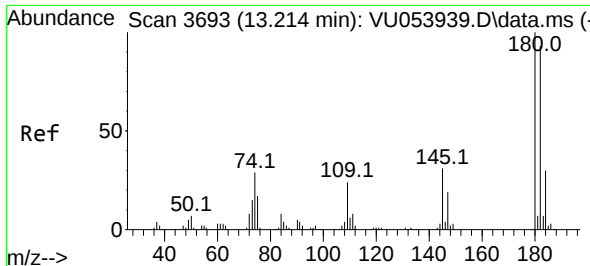
Ion Ratio Lower Upper

75 100

155 78.2 72.8 109.2

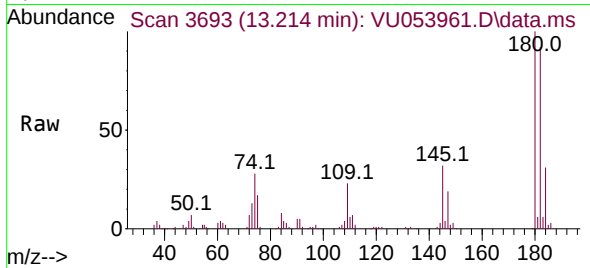
157 109.1 89.1 133.7





#69
1,3,5-Trichlorobenzene
Concen: 5.117 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

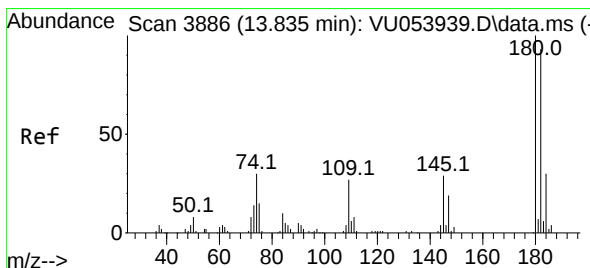
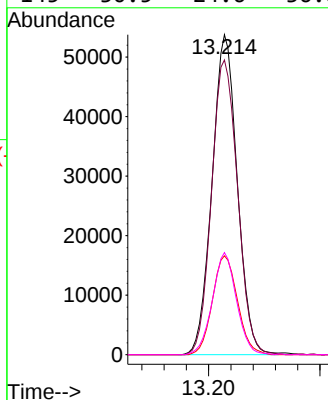
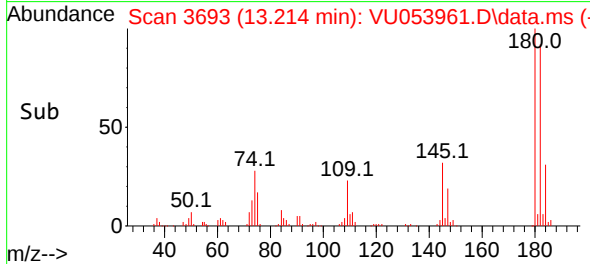
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



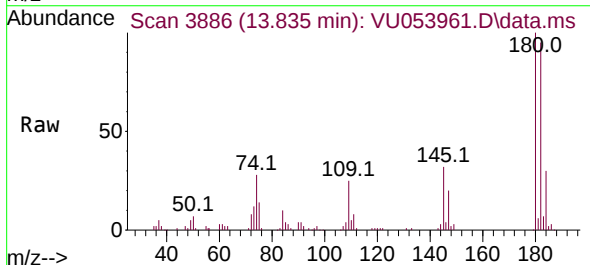
Tgt Ion:180 Resp: 84549
Ion Ratio Lower Upper
180 100
182 94.9 75.1 112.7
184 30.7 24.2 36.2
145 30.5 24.6 36.8

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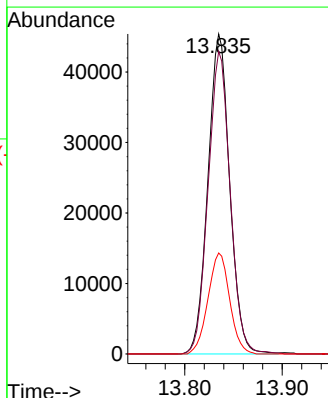
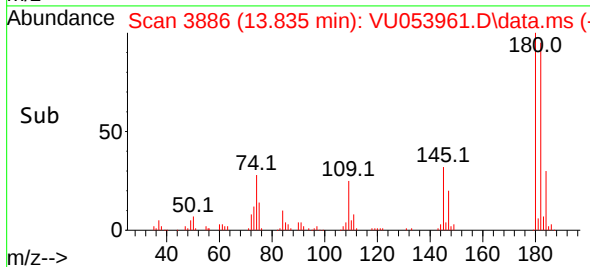
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

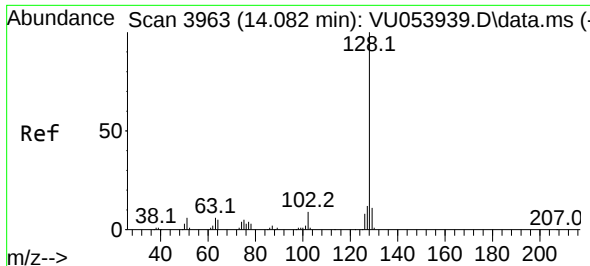


#70
1,2,4-trichlorobenzene
Concen: 4.693 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



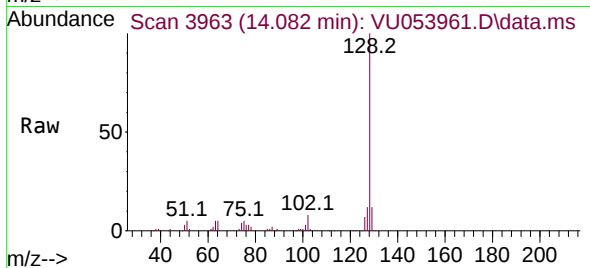
Tgt Ion:180 Resp: 70582
Ion Ratio Lower Upper
180 100
182 95.6 75.5 113.3
145 31.4 25.8 38.6





#71
Naphthalene
Concen: 4.143 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43

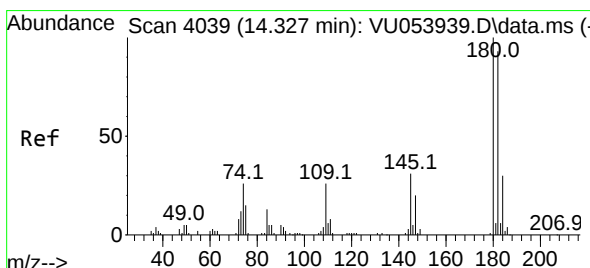
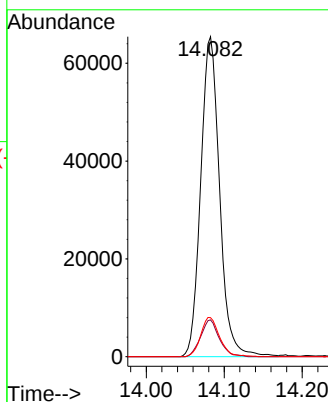
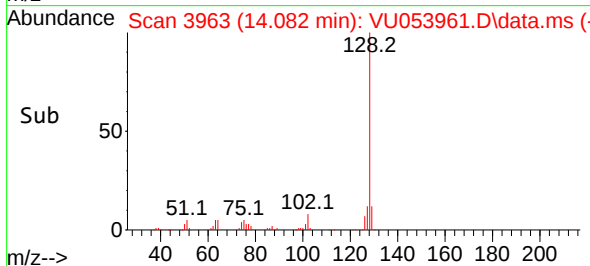
Instrument :
MSVOA_U
ClientSampleId :
HOA37MS



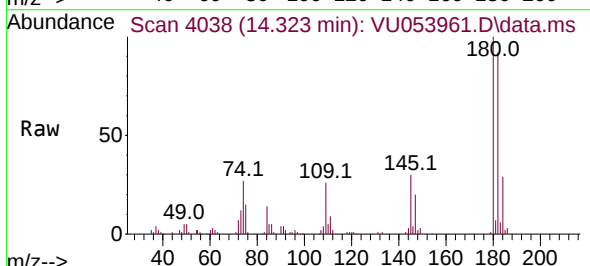
Tgt Ion:128 Resp: 110148
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.3 10.1 15.1

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 4.675 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053961.D
Acq: 28 Apr 2023 01:43



Tgt Ion:180 Resp: 62743
Ion Ratio Lower Upper
180 100
182 95.0 77.4 116.2
145 31.9 26.8 40.2

