

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046585.D
 Acq On : 23 Dec 2021 23:01
 Operator : SY/MD
 Sample : M5170-07MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4MS

Quant Time: Dec 24 04:59:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 12/24/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	78783	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	77645	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	40924	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	20269	3.266	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.909	69	17220	3.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.562	65	8603	3.288	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	4.719	46	96708	53.727	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.460%
24) Chloroform-d	5.067	84	49919	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.707	65	27930	4.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.726	84	85715	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
36) 1,2-Dichloropropane-d6	6.694	67	29036	4.464	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.899	98	75942	3.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.182	79	12506	4.157	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.645	63	95318	53.971	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.940%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32235	4.829	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	33379	4.428	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	58762	4.874	ug/L	98
3) Chloromethane	1.514	50	43022	4.144	ug/L	98
5) Vinyl chloride	1.597	62	44174	4.322	ug/L	100
6) Bromomethane	1.855	94	24347	3.957	ug/L	99
8) Chloroethane	1.932	64	24496	4.082	ug/L	98
9) Trichlorofluoromethane	2.134	101	62677	4.688	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	30004	4.408	ug/L	94
12) 1,1-Dichloroethene	2.575	96	29329	4.232	ug/L #	79
13) Acetone	2.758	43	74095m	43.905	ug/L	
14) Carbon disulfide	2.784	76	117419	5.187	ug/L	100
15) Methyl Acetate	2.996	43	20238m	5.937	ug/L	
16) Methylene chloride	3.044	84	32813	3.891	ug/L	97
17) Methyl tert-butyl Ether	3.379	73	97310	4.813	ug/L	98
18) trans-1,2-Dichloroethene	3.343	96	32339	4.374	ug/L	99
19) 1,1-Dichloroethane	3.867	63	62019	4.553	ug/L	99
21) 2-Butanone	4.790	43	119591	46.708	ug/L	97
22) cis-1,2-Dichloroethene	4.668	96	42086	5.208	ug/L	98
23) Bromochloromethane	4.977	128	18146	4.512	ug/L	91
25) Chloroform	5.089	83	67327	4.576	ug/L	98

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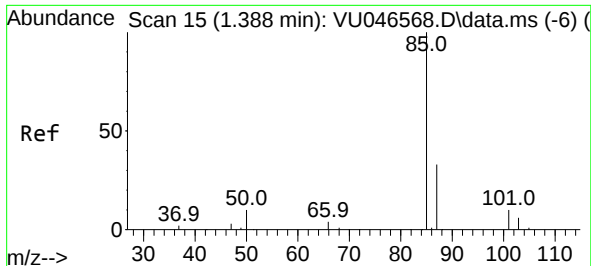
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	49408	4.704	ug/L	96
29) 1,1,1-Trichloroethane	5.314	97	60753	4.732	ug/L	97
30) Cyclohexane	5.379	56	51326	4.833	ug/L	94
31) Carbon tetrachloride	5.520	117	51050	4.739	ug/L	100
33) Benzene	5.774	78	220852	7.159	ug/L	100
34) Trichloroethene	6.542	95	45689	5.618	ug/L	97
35) Methylcyclohexane	6.761	83	54982	4.795	ug/L	95
37) 1,2-Dichloropropane	6.793	63	36294	4.612	ug/L	98
38) Bromodichloromethane	7.108	83	49690	4.562	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	53983	4.532	ug/L	98
40) 4-Methyl-2-pentanone	7.806	43	305761	51.761	ug/L	96
42) Toluene	7.970	91	265112	8.372	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	50366	4.563	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	30684	4.521	ug/L	95
47) Tetrachloroethene	8.552	164	32439	5.637	ug/L	96
48) 2-Hexanone	8.697	43	215057	48.749	ug/L	98
49) Dibromochloromethane	8.813	129	35430	4.526	ug/L	98
50) 1,2-Dibromoethane	8.925	107	30273	4.621	ug/L	98
51) Chlorobenzene	9.446	112	94555	4.671	ug/L	99
52) Ethylbenzene	9.571	91	188906	5.763	ug/L	98
53) m,p-Xylene	9.693	106	81552	6.495	ug/L	97
54) o-Xylene	10.102	106	69139	5.730	ug/L	95
55) Styrene	10.115	104	105080	5.021	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	41379	4.666	ug/L	98
59) Bromoform	10.292	173	21804	4.612	ug/L	99
60) Isopropylbenzene	10.484	105	163349	5.176	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	30913	4.548	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	140587	5.356	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	159859	6.048	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	75020	4.890	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	74844	4.765	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	74313	4.829	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7360	4.678	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.217	180	57788	4.977	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	49940	5.078	ug/L	99
71) Naphthalene	14.086	128	156462	7.164	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	49483	5.082	ug/L	99

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



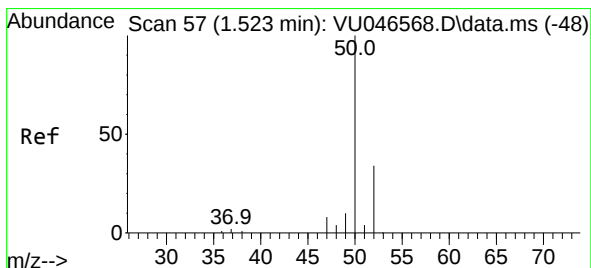
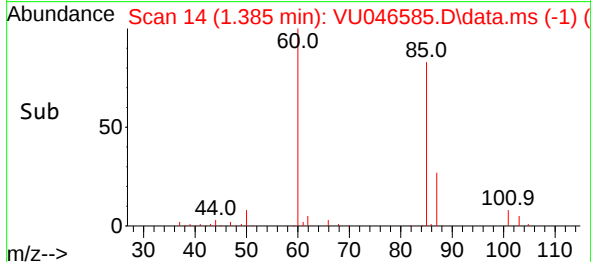
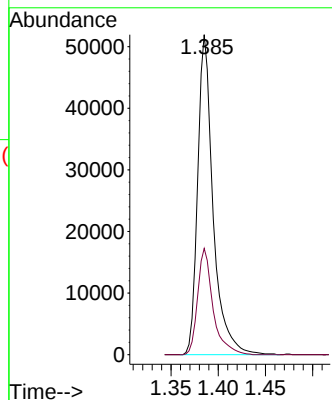
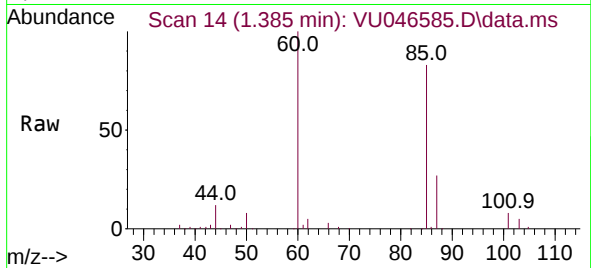
#2
Dichlorodifluoromethane
Concen: 4.874 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 85 Resp: 58762
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6

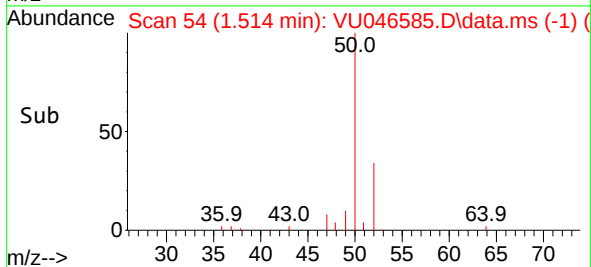
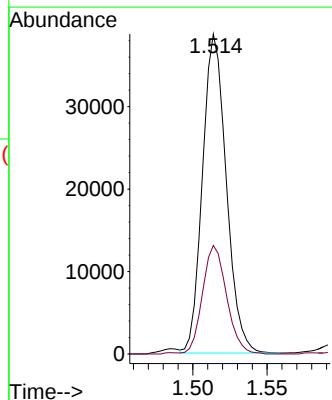
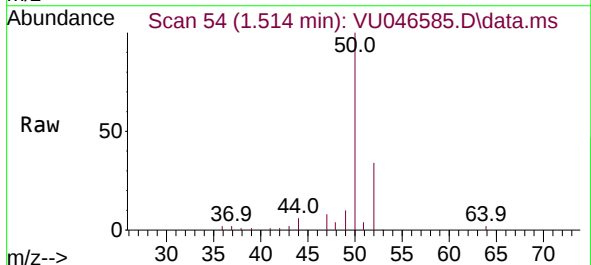
Manual Integrations
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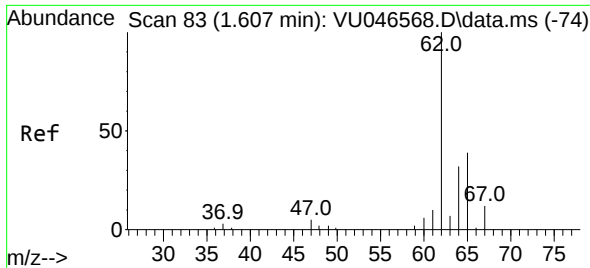
Reviewed By :Amit Patel 12/24/2021
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#3
Chloromethane
Concen: 4.144 ug/L
RT: 1.514 min Scan# 54
Delta R.T. -0.010 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 50 Resp: 43022
Ion Ratio Lower Upper
50 100
52 33.9 23.0 42.8





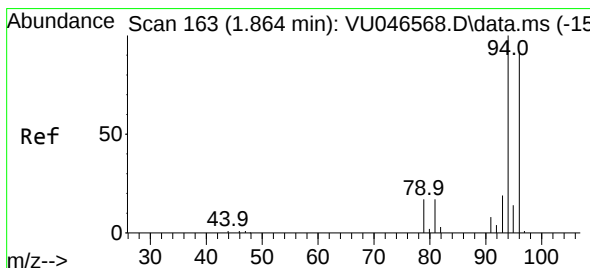
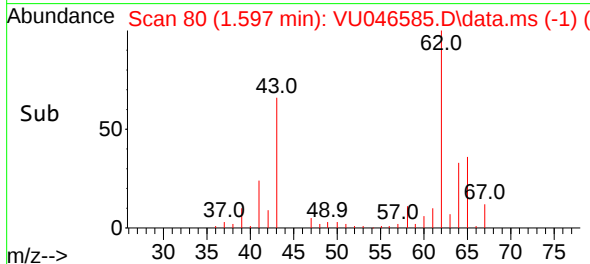
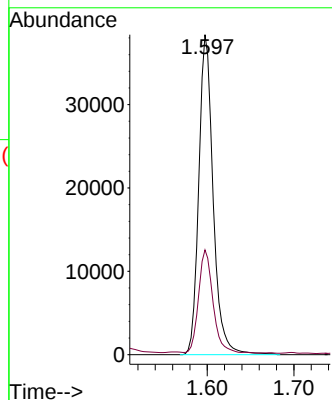
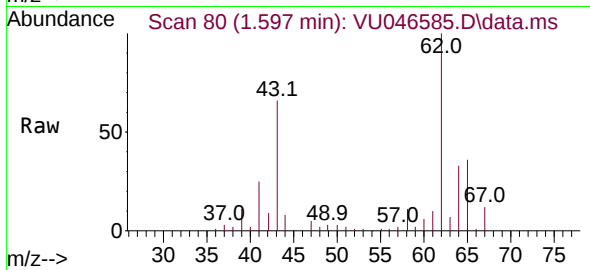
#5
 Vinyl chloride
 Concen: 4.322 ug/L
 RT: 1.597 min Scan# 80
 Delta R.T. -0.010 min
 Lab File: VU046585.D
 Acq: 23 Dec 2021 23:01

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4MS

Tgt Ion: 62 Resp: 44174
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5

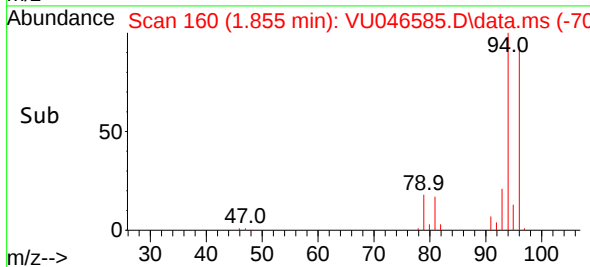
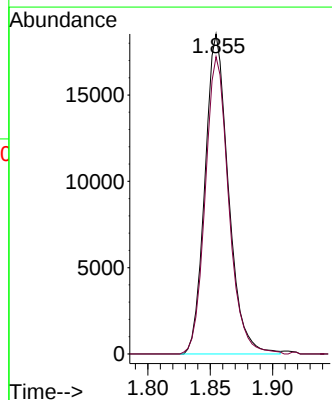
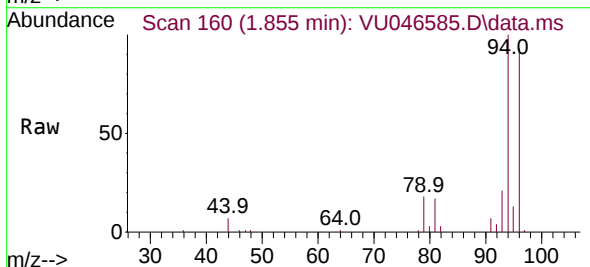
Manual Integrations
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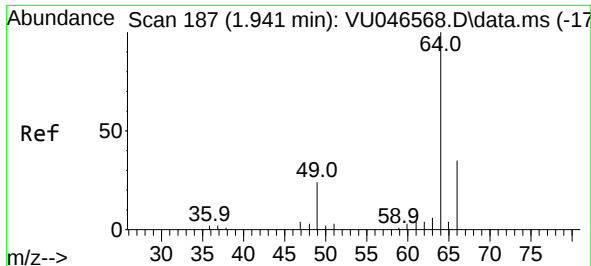
Reviewed By :Amit Patel 12/24/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022



#6
 Bromomethane
 Concen: 3.957 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.010 min
 Lab File: VU046585.D
 Acq: 23 Dec 2021 23:01

Tgt Ion: 94 Resp: 24347
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.5 121.6





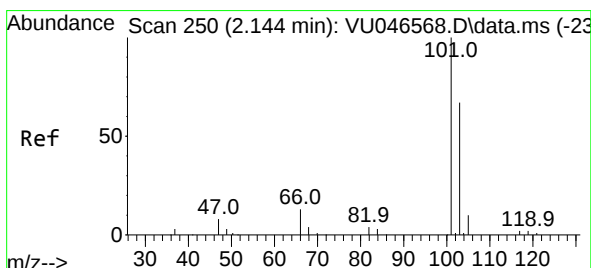
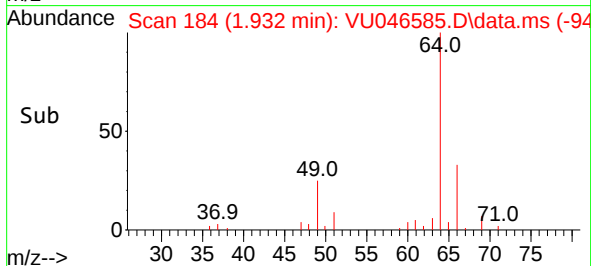
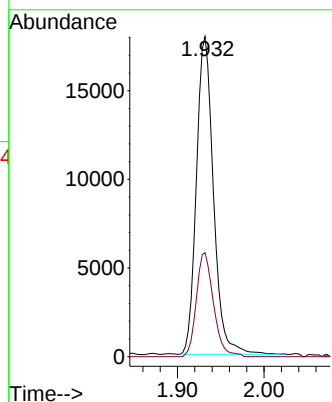
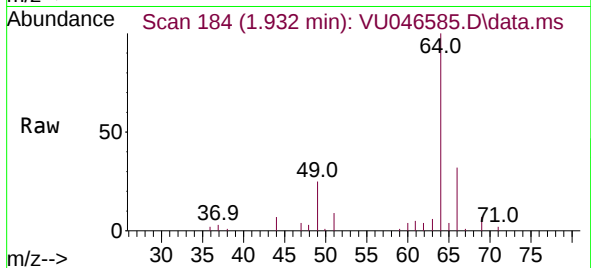
#8
Chloroethane
Concen: 4.082 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 64 Resp: 24490
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1

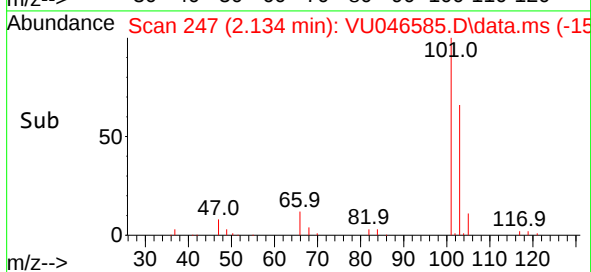
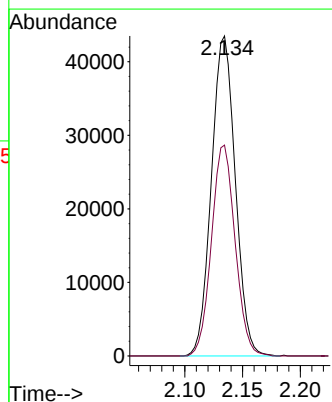
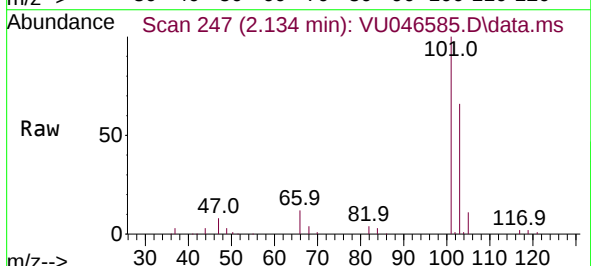
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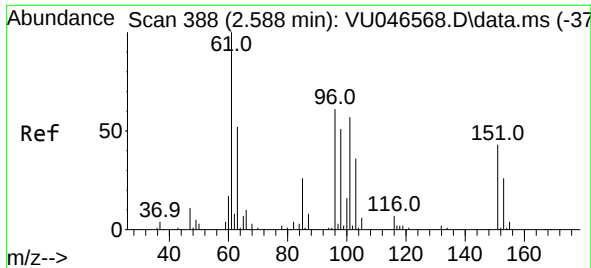
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#9
Trichlorofluoromethane
Concen: 4.688 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.013 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:101 Resp: 62677
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





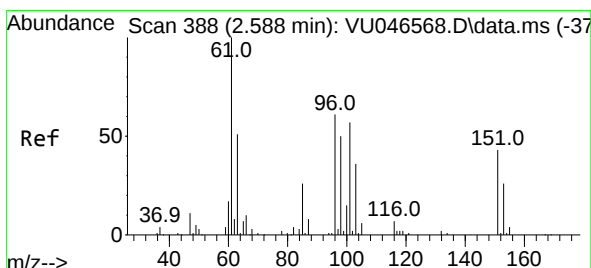
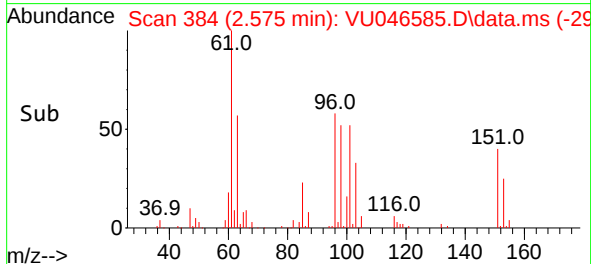
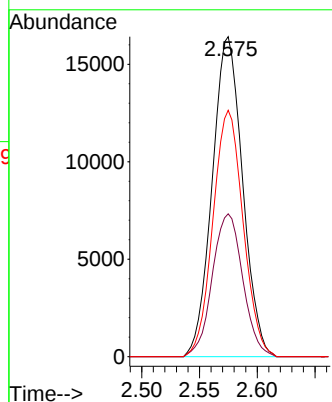
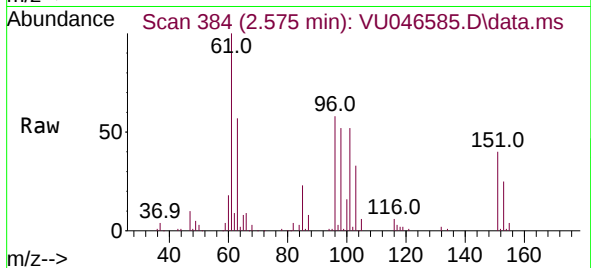
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.408 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 101 Resp: 3000
Ion Ratio Lower Upper
101 100
85 44.8 34.6 51.8
151 76.5 56.1 84.1

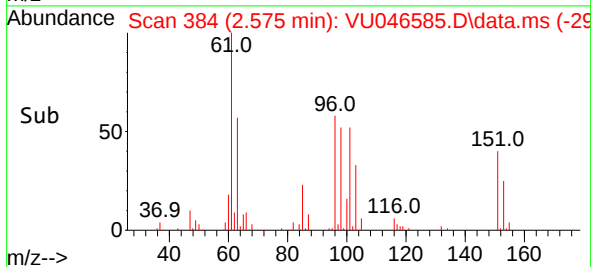
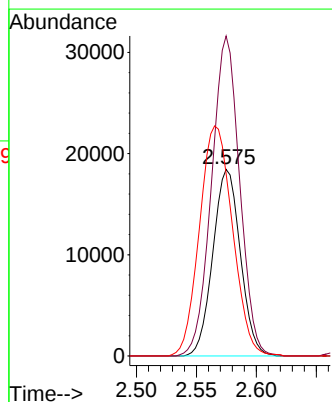
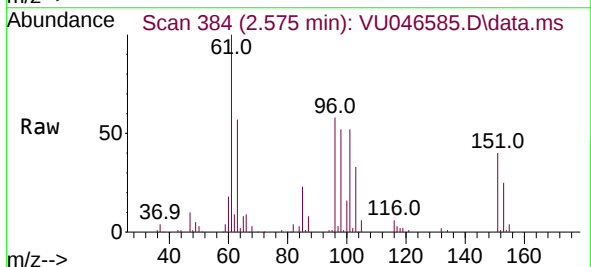
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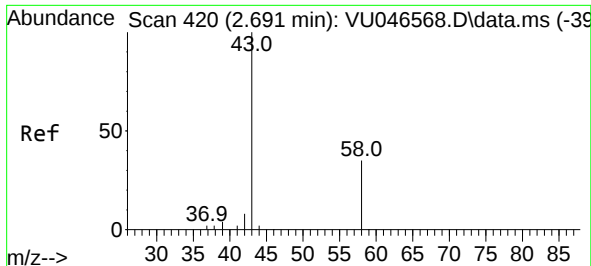
Reviewed By :Amit Patel 12/24/2021
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#12
1,1-Dichloroethene
Concen: 4.232 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

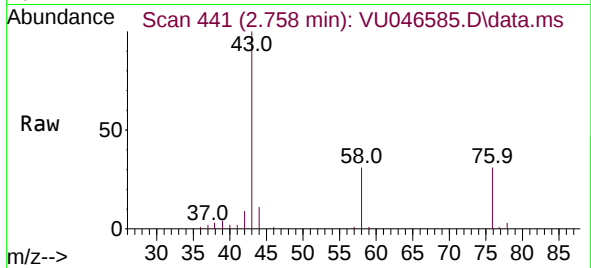
Tgt Ion: 96 Resp: 29329
Ion Ratio Lower Upper
96 100
61 171.5 124.7 231.5
63 97.8 105.2 195.4#





#13
Acetone
Concen: 43.905 ug/L m
RT: 2.758 min Scan# 441
Delta R.T. 0.064 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

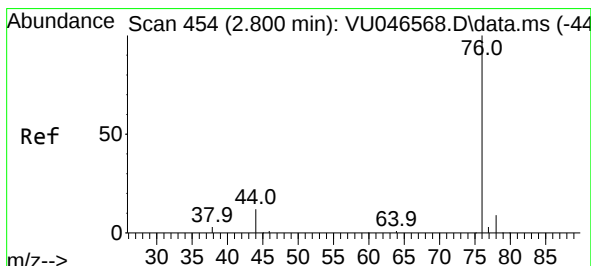
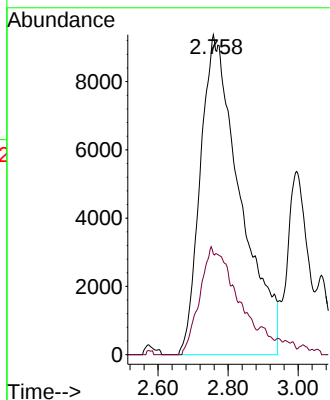
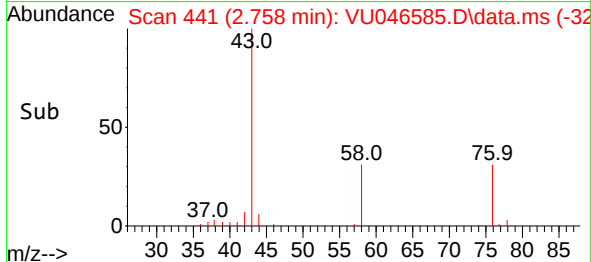
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



Tgt Ion: 43 Resp: 7409
Ion Ratio Lower Upper
43 100
58 12.5 0.0 71.6

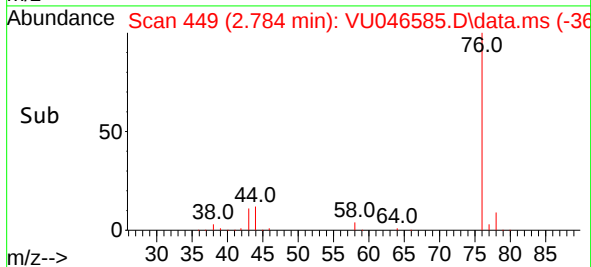
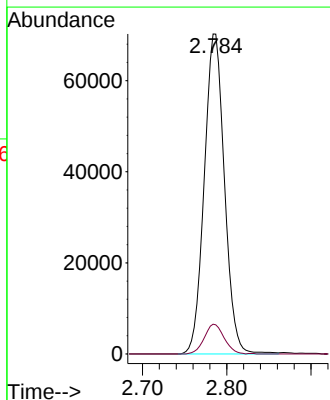
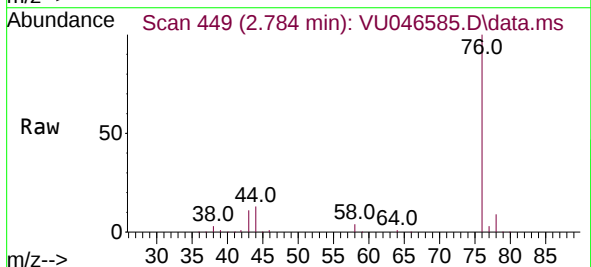
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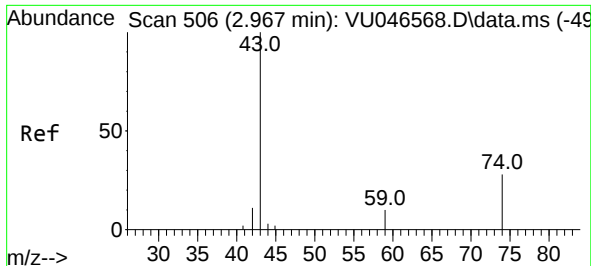
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#14
Carbon disulfide
Concen: 5.187 ug/L
RT: 2.784 min Scan# 449
Delta R.T. -0.016 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

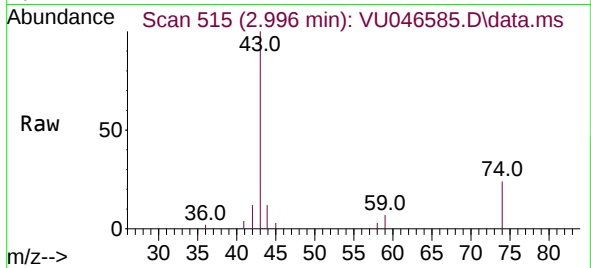
Tgt Ion: 76 Resp: 117419
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#15
Methyl Acetate
Concen: 5.937 ug/L m
RT: 2.996 min Scan# 515
Delta R.T. 0.026 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

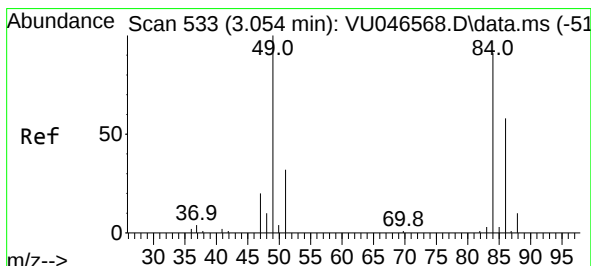
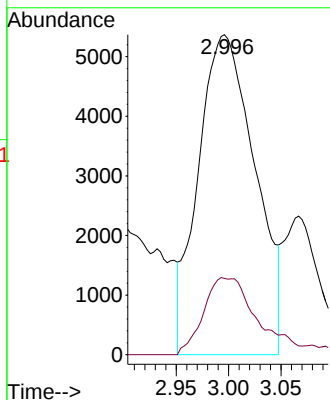
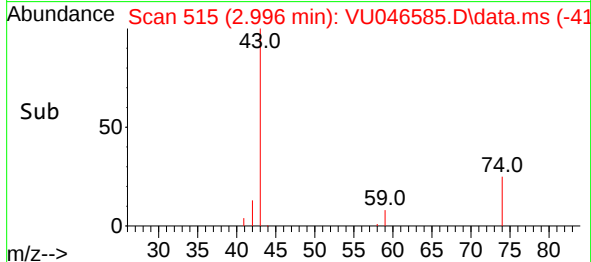
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



Tgt Ion: 43 Resp: 20238
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7

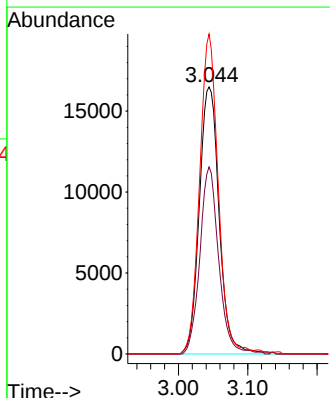
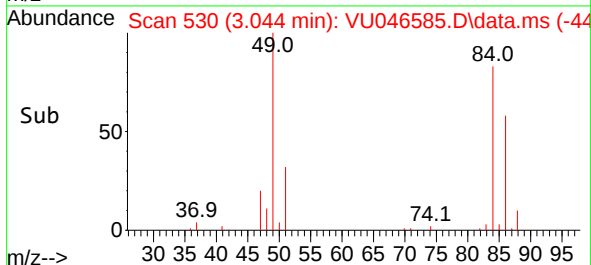
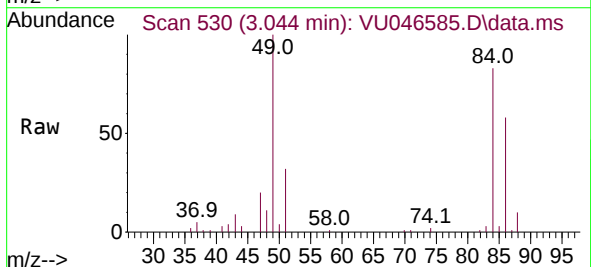
Manual Integrations
APPROVED

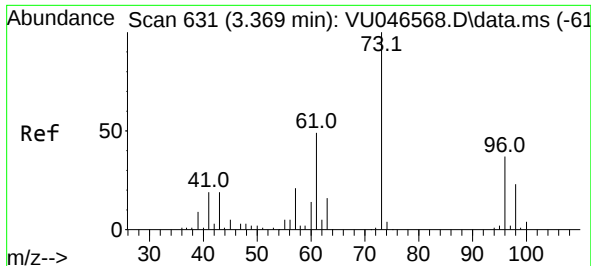
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#16
Methylene chloride
Concen: 3.891 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.010 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 84 Resp: 32813
Ion Ratio Lower Upper
84 100
86 70.0 45.8 85.0
49 119.8 84.5 156.9





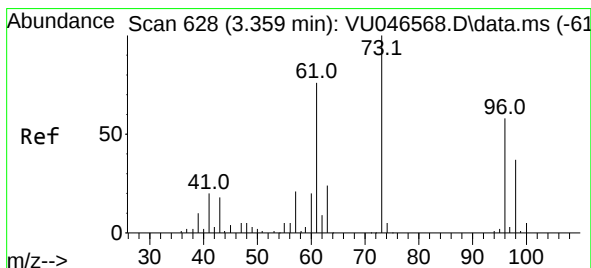
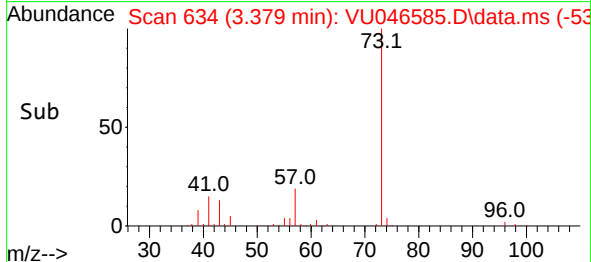
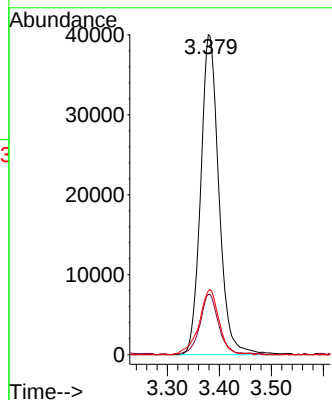
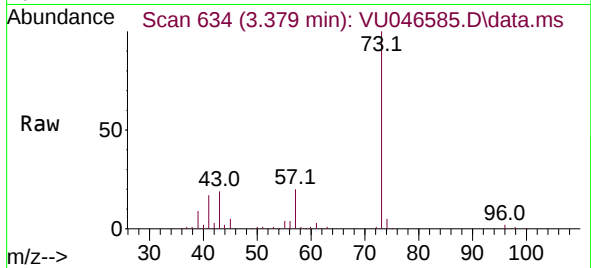
#17
Methyl tert-butyl Ether
Concen: 4.813 ug/L
RT: 3.379 min Scan# 610
Delta R.T. 0.010 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 73 Resp: 97310
Ion Ratio Lower Upper
73 100
43 19.6 14.8 22.2
57 22.3 17.4 26.0

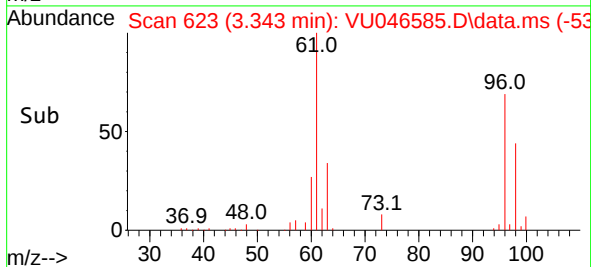
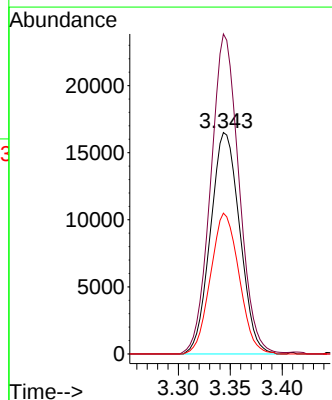
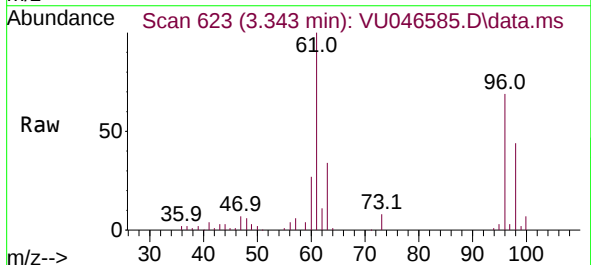
Manual Integrations
APPROVED

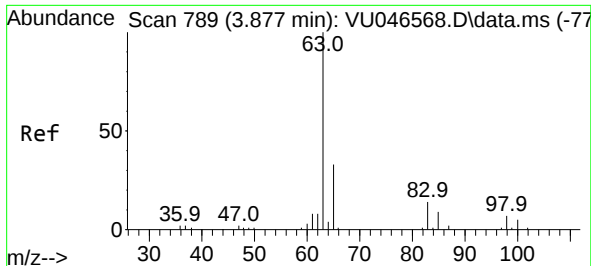
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#18
trans-1,2-Dichloroethene
Concen: 4.374 ug/L
RT: 3.343 min Scan# 623
Delta R.T. -0.016 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 96 Resp: 32339
Ion Ratio Lower Upper
96 100
61 144.5 100.8 187.2
98 63.6 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.553 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.010 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

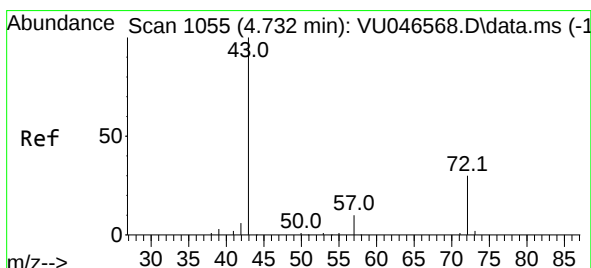
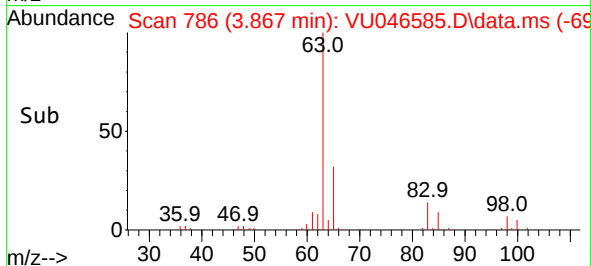
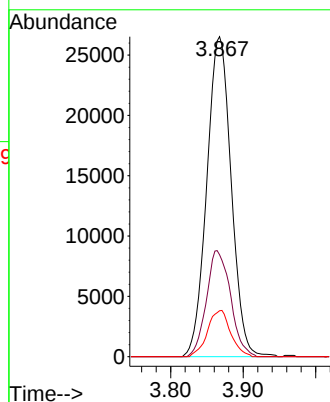
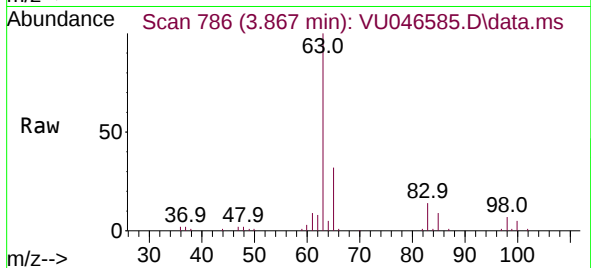
Tgt Ion: 63 Resp: 62019
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 14.4 9.6 17.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#21

2-Butanone

Concen: 46.708 ug/L

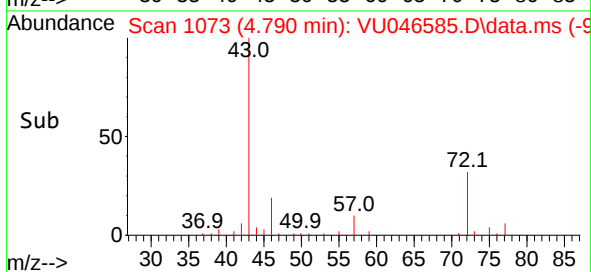
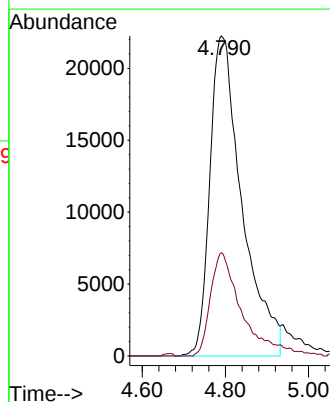
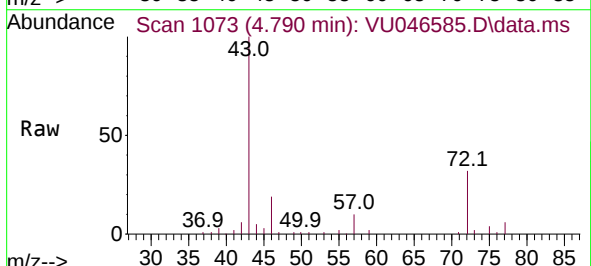
RT: 4.790 min Scan# 1073

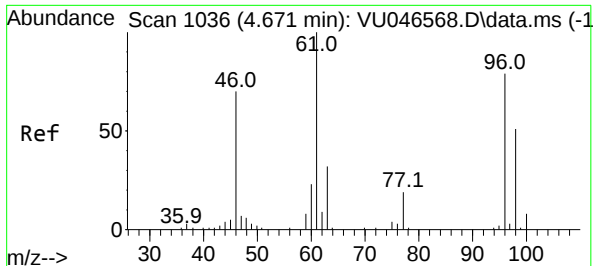
Delta R.T. 0.055 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

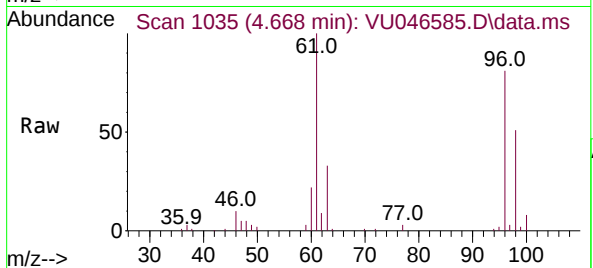
Tgt Ion: 43 Resp: 119591
 Ion Ratio Lower Upper
 43 100
 72 30.0 14.1 42.3





#22
 cis-1,2-Dichloroethene
 Concen: 5.208 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: VU046585.D
 Acq: 23 Dec 2021 23:01

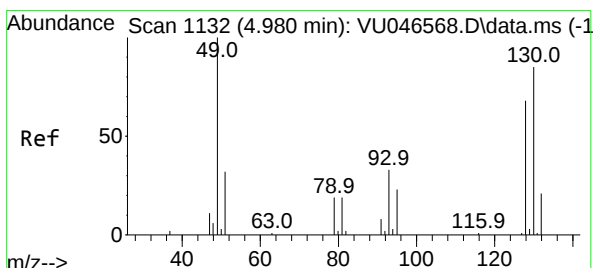
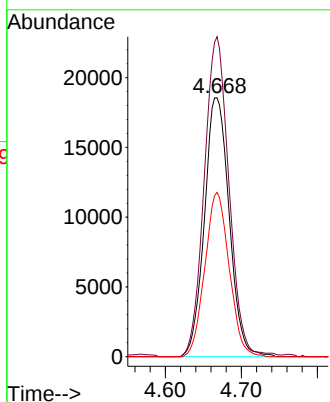
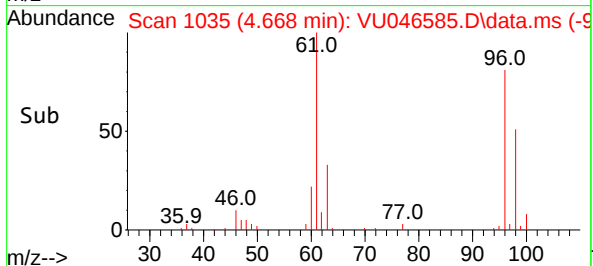
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4MS



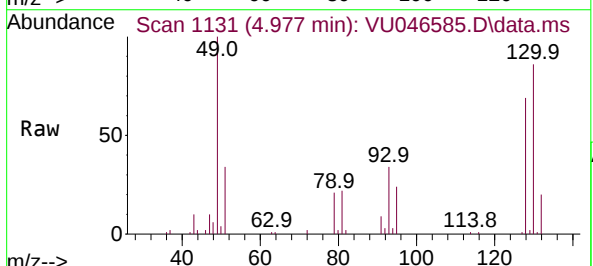
Tgt Ion: 96 Resp: 42086
 Ion Ratio Lower Upper
 96 100
 61 123.6 88.5 164.3
 98 63.5 44.4 82.5

Manual Integrations
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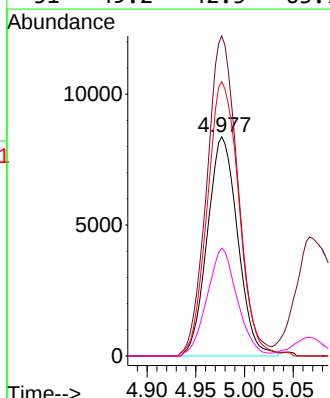
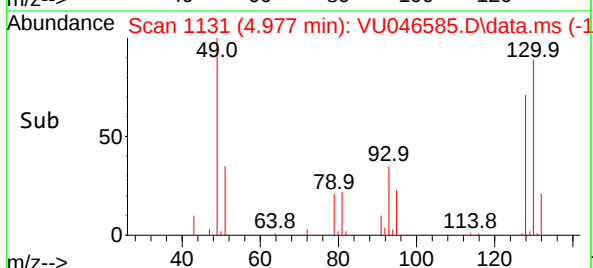
Reviewed By :Amit Patel 12/24/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022

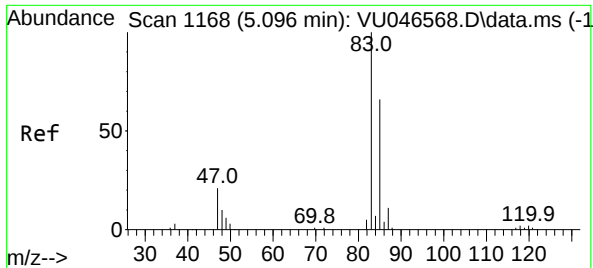


#23
 Bromochloromethane
 Concen: 4.512 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. -0.003 min
 Lab File: VU046585.D
 Acq: 23 Dec 2021 23:01



Tgt Ion:128 Resp: 18146
 Ion Ratio Lower Upper
 128 100
 49 146.0 117.0 217.2
 130 125.1 88.2 163.8
 51 49.2 42.5 63.7





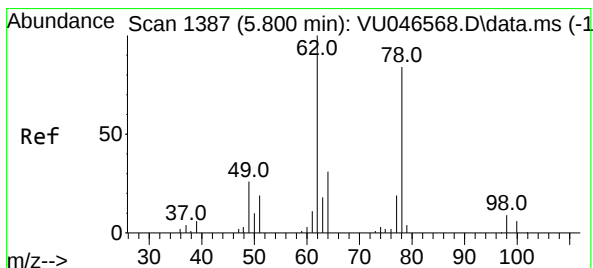
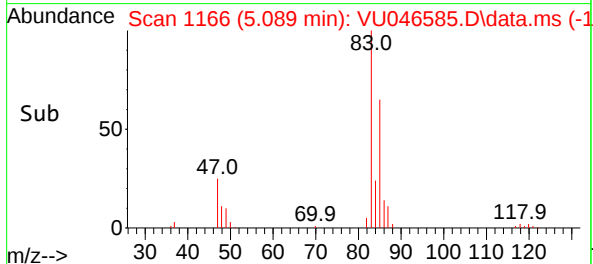
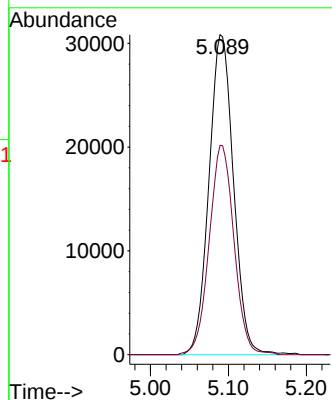
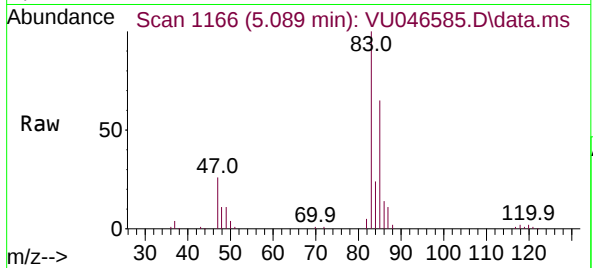
#25
Chloroform
Concen: 4.576 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 83 Resp: 6732
Ion Ratio Lower Upper
83 100
85 65.4 46.9 87.1

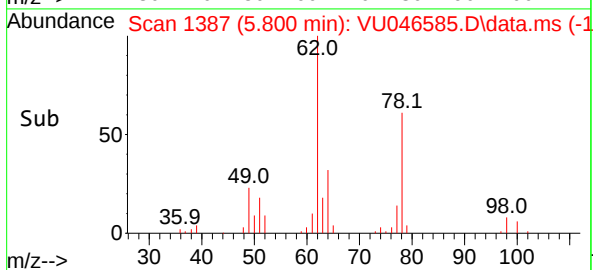
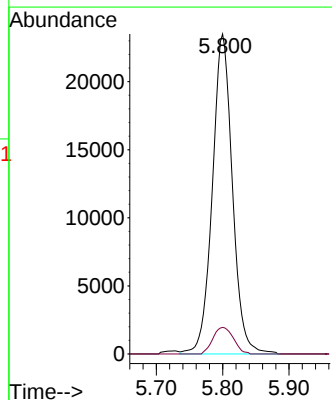
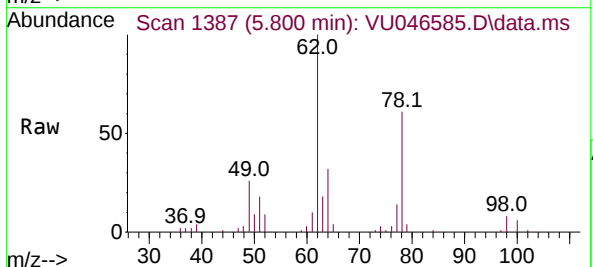
Manual Integrations
APPROVED

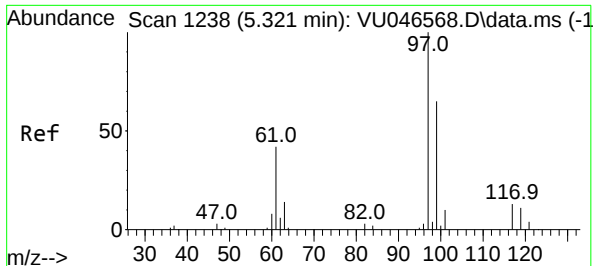
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#27
1,2-Dichloroethane
Concen: 4.704 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 62 Resp: 49408
Ion Ratio Lower Upper
62 100
98 8.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.732 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.006 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

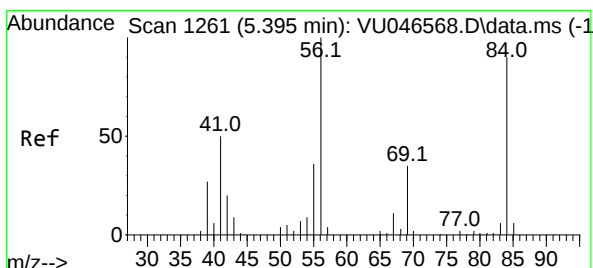
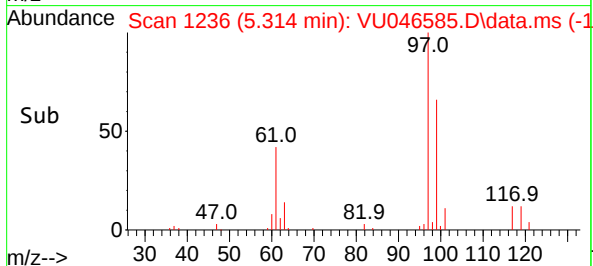
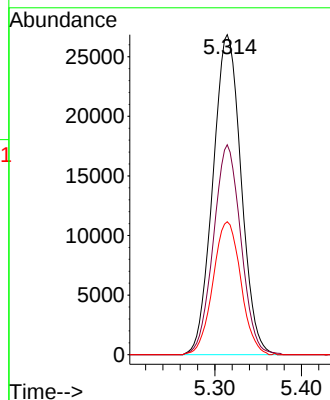
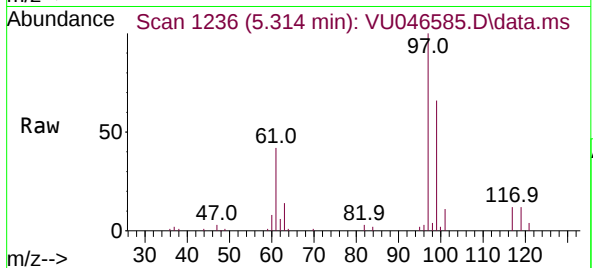
Tgt Ion: 97	Resp: 6075
Ion Ratio	Lower Upper
97	100
99	64.1 51.3 76.9
61	41.1 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#30

Cyclohexane

Concen: 4.833 ug/L

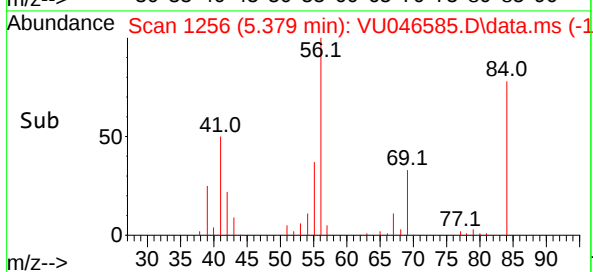
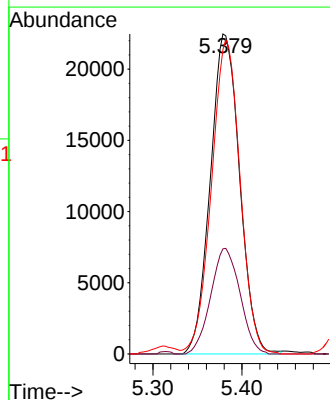
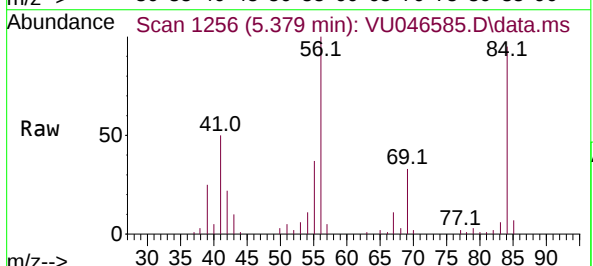
RT: 5.379 min Scan# 1256

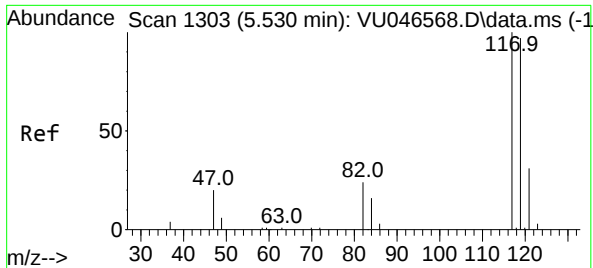
Delta R.T. -0.016 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

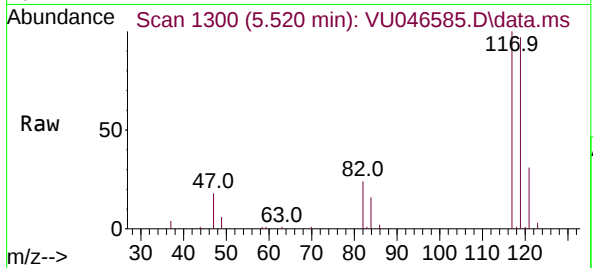
Tgt Ion: 56	Resp: 51326
Ion Ratio	Lower Upper
56	100
69	33.0 24.7 37.1
84	96.0 71.8 107.6





#31
Carbon tetrachloride
Concen: 4.739 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.010 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

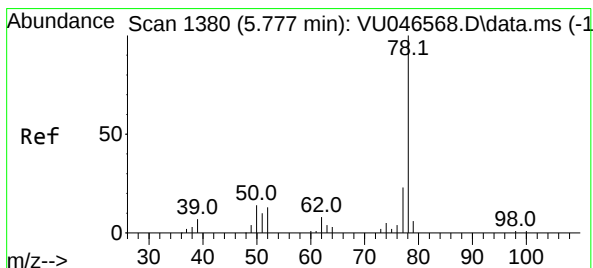
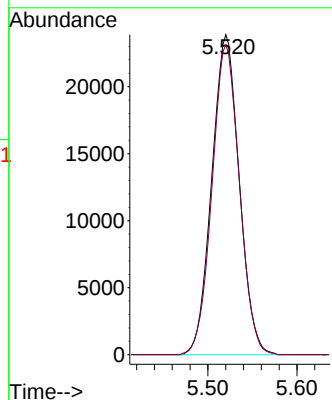
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



Tgt Ion:117 Resp: 51050
Ion Ratio Lower Upper
117 100
119 96.6 77.5 116.3

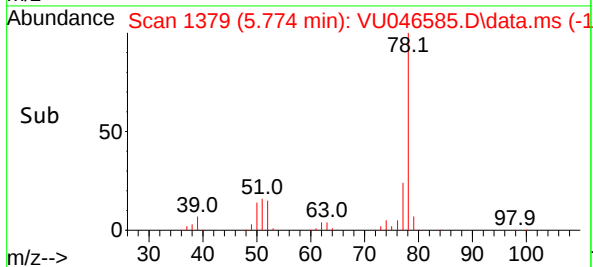
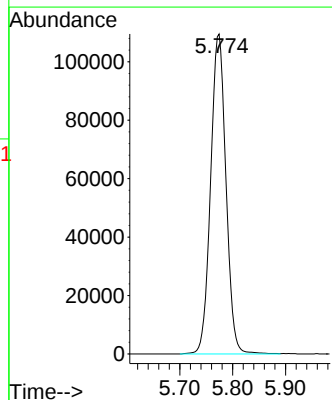
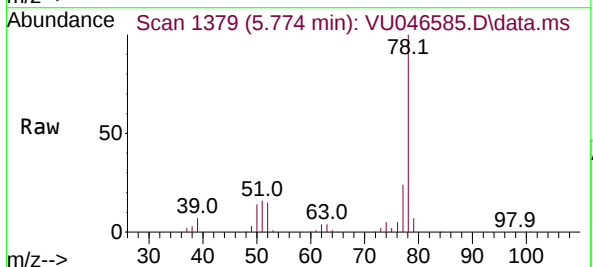
Manual Integrations
APPROVED

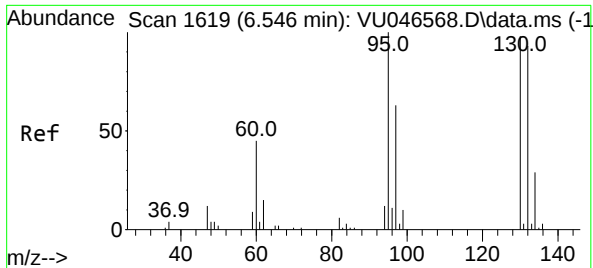
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#33
Benzene
Concen: 7.159 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 78 Resp: 220852





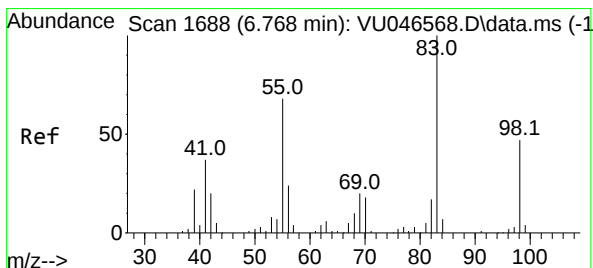
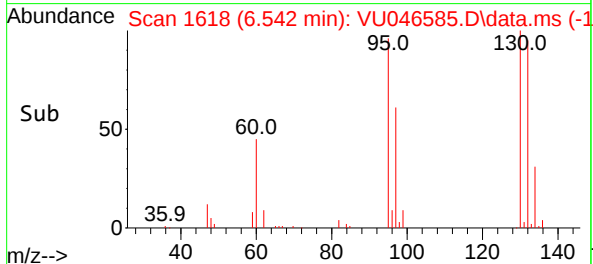
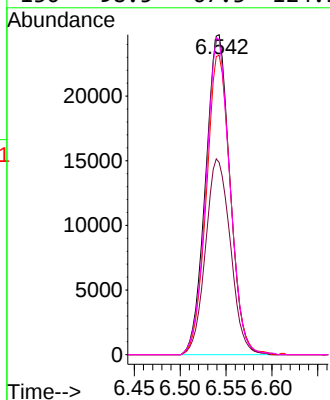
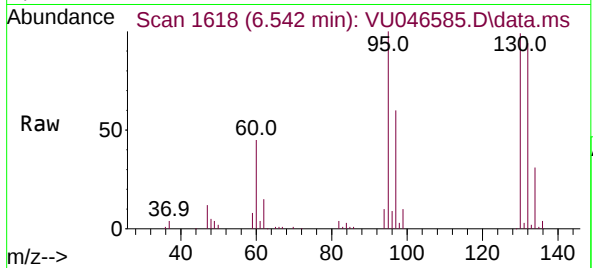
#34
Trichloroethene
Concen: 5.618 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 95 Resp: 45689
Ion Ratio Lower Upper
95 100
97 60.1 46.5 86.5
132 93.5 65.1 120.9
130 98.5 67.3 124.9

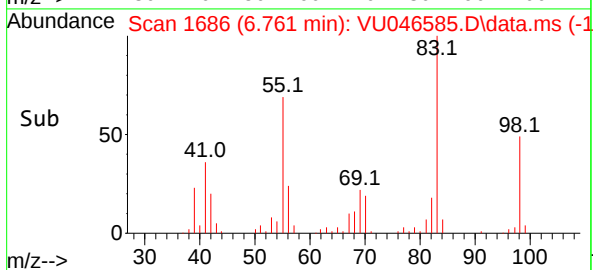
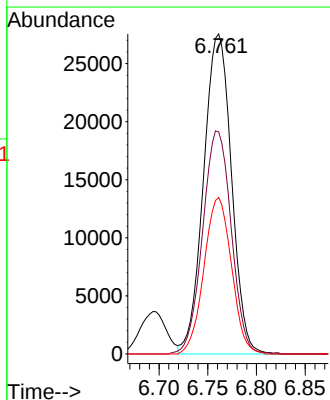
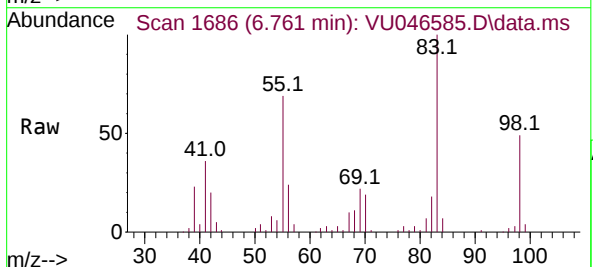
Manual Integrations
APPROVED

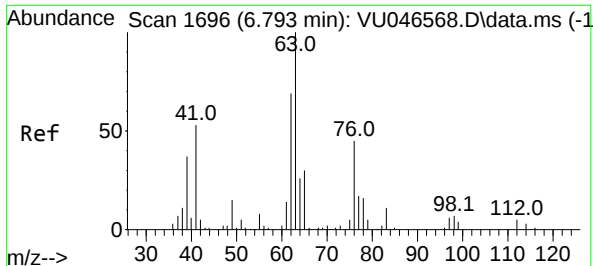
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#35
Methylcyclohexane
Concen: 4.795 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion: 83 Resp: 54982
Ion Ratio Lower Upper
83 100
55 71.4 61.9 92.9
98 48.1 39.0 58.6





#37

1,2-Dichloropropane

Concen: 4.612 ug/L

RT: 6.793 min Scan# 1696

Delta R.T. -0.003 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

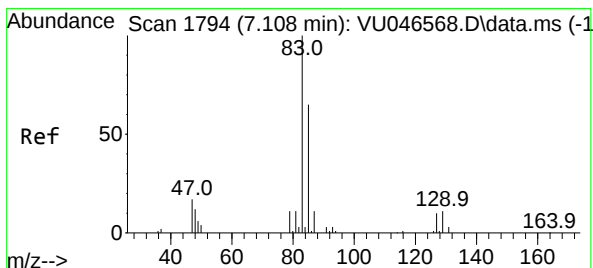
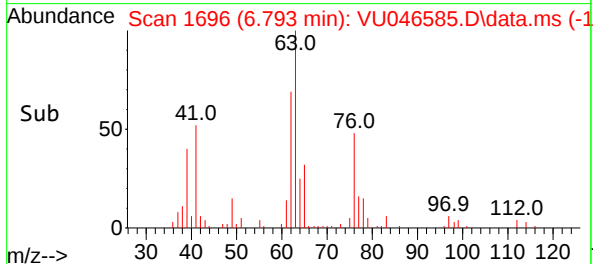
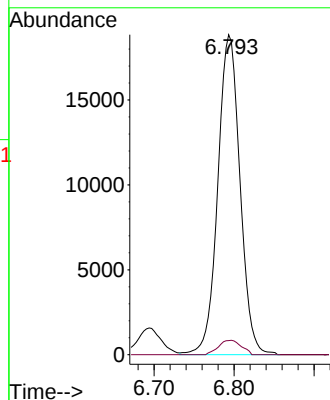
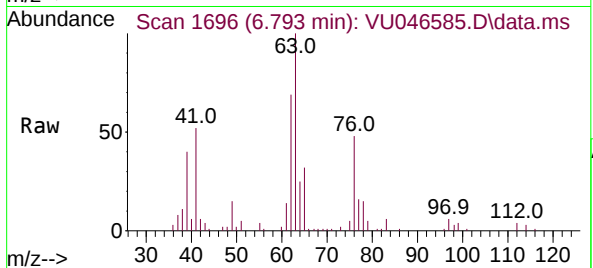
Tgt Ion: 63 Resp: 36294
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#38

Bromodichloromethane

Concen: 4.562 ug/L

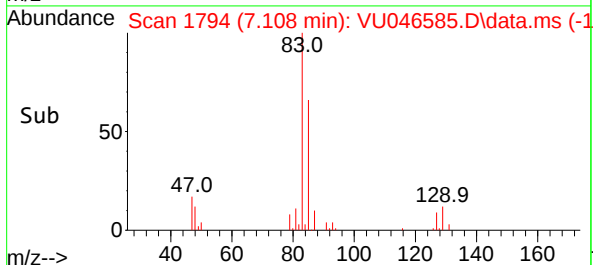
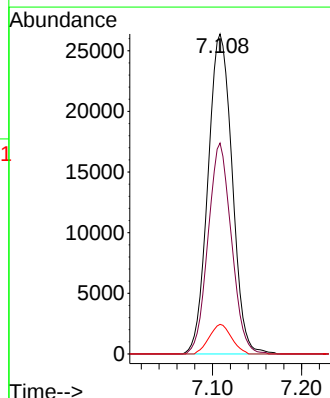
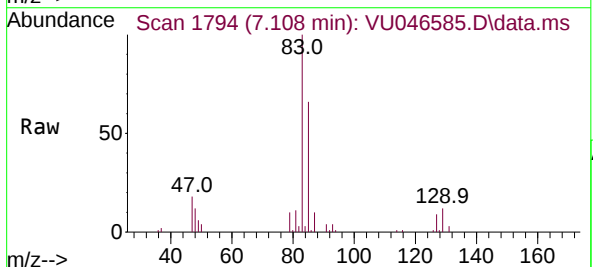
RT: 7.108 min Scan# 1794

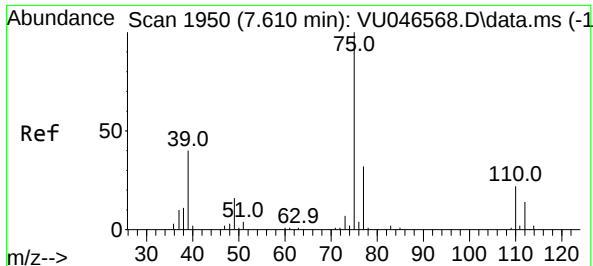
Delta R.T. 0.000 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Tgt Ion: 83 Resp: 49690
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.0 81.8
 127 9.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.532 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

Tgt Ion: 75 Resp: 5398

Ion Ratio Lower Upper

75 100

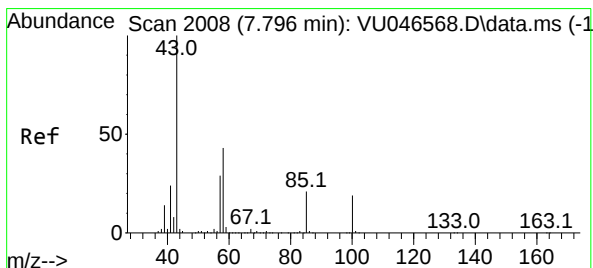
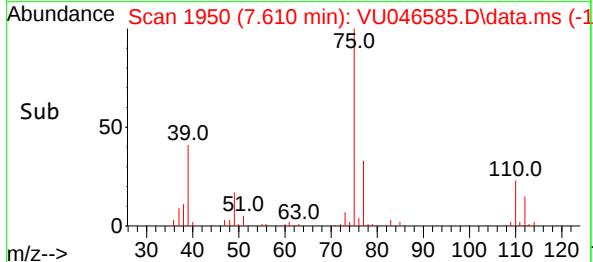
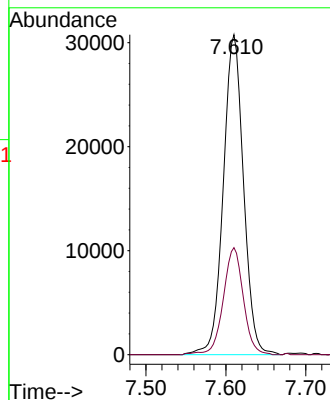
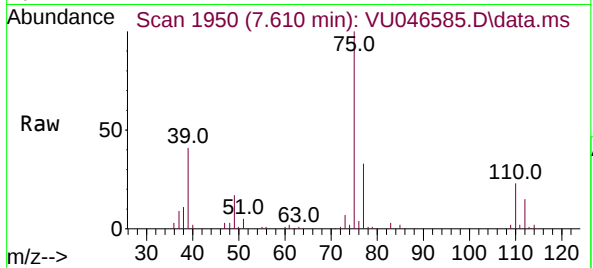
77 33.5 22.5 41.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#40

4-Methyl-2-pentanone

Concen: 51.761 ug/L

RT: 7.806 min Scan# 2011

Delta R.T. 0.010 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

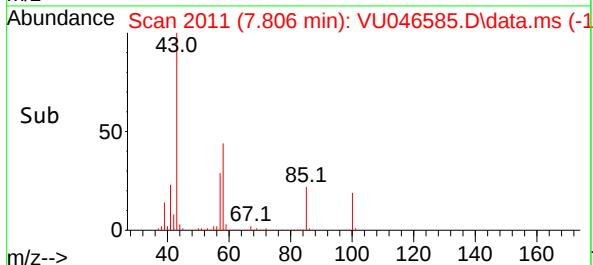
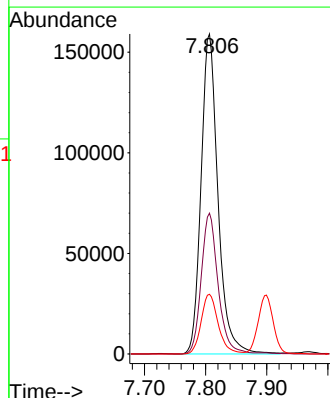
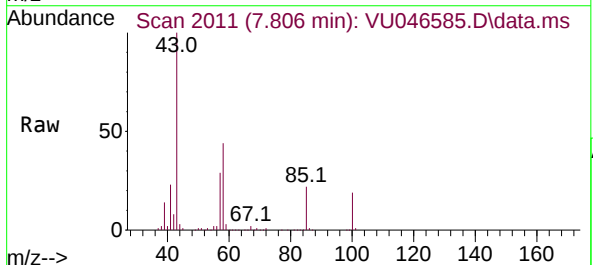
Tgt Ion: 43 Resp: 305761

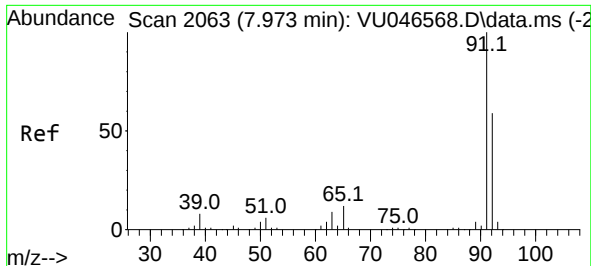
Ion Ratio Lower Upper

43 100

58 43.8 33.1 49.7

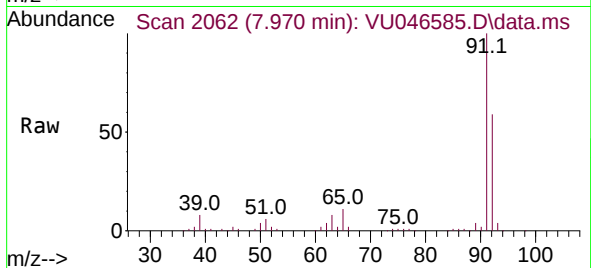
100 18.8 13.2 19.8





#42
Toluene
Concen: 8.372 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

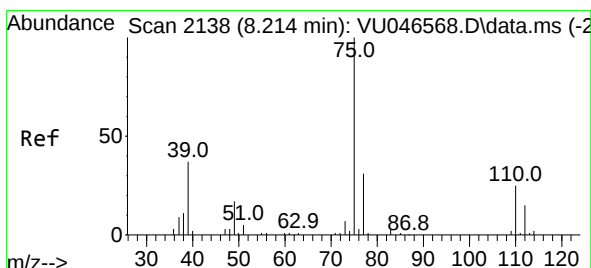
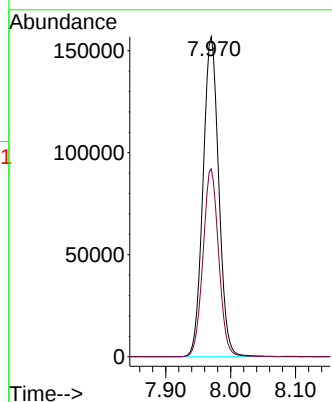
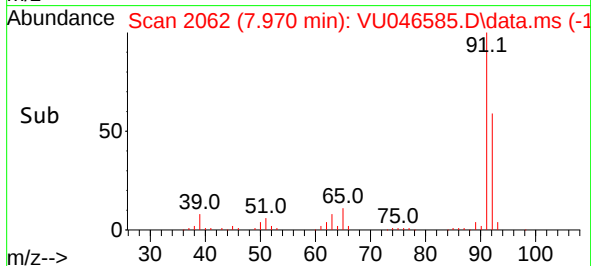
Instrument : MSVOA_U
ClientSampleId : H0AO4MS



Tgt Ion: 91 Resp: 26511
Ion Ratio Lower Upper
91 100
92 58.7 41.3 76.7

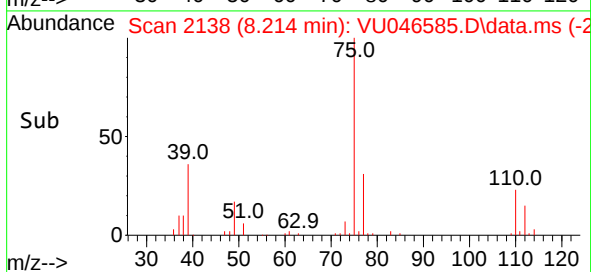
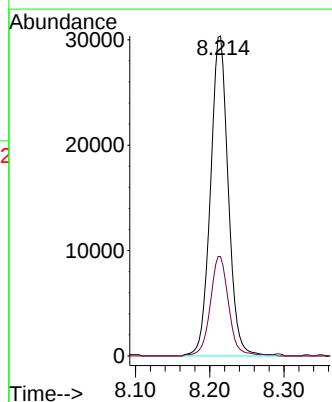
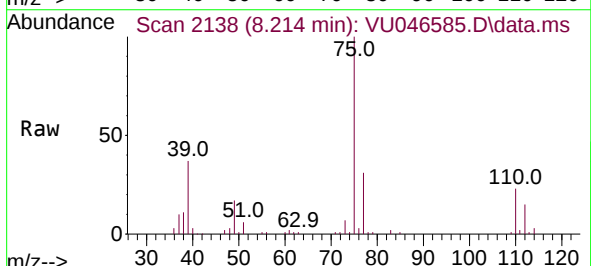
Manual Integrations
APPROVED

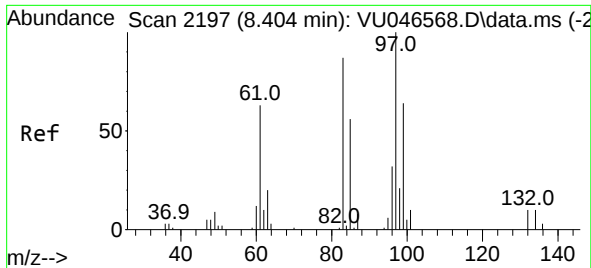
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#44
trans-1,3-Dichloropropene
Concen: 4.563 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

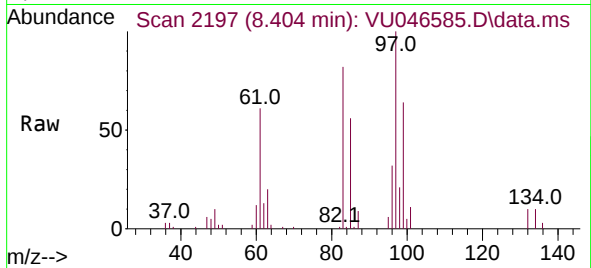
Tgt Ion: 75 Resp: 50366
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.3





#45
1,1,2-Trichloroethane
Concen: 4.521 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

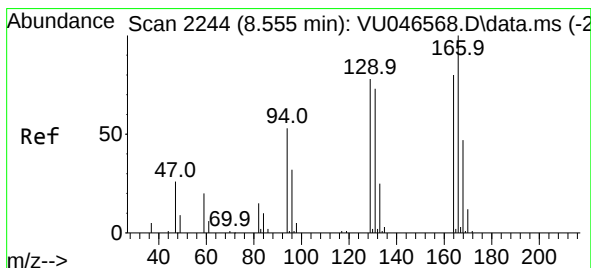
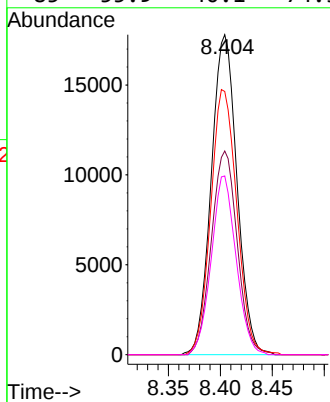
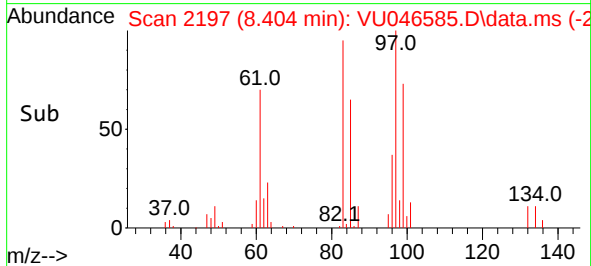


Tgt Ion: 97 Resp: 30684

Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.3	78.5
83	82.3	62.0	115.2
85	55.9	40.1	74.5

Manual Integrations
APPROVED

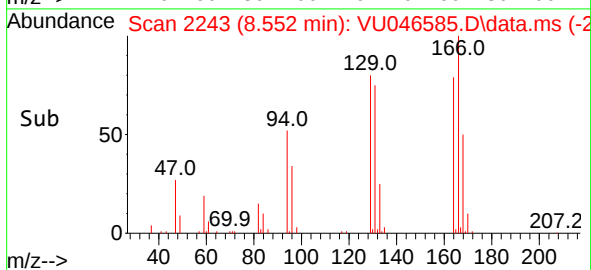
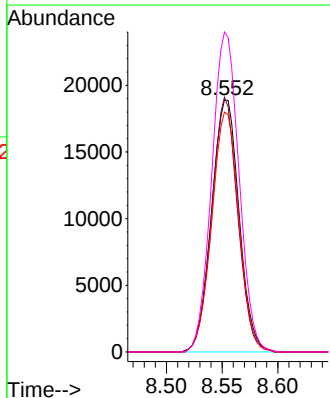
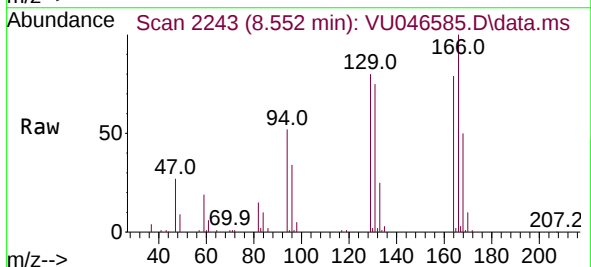
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

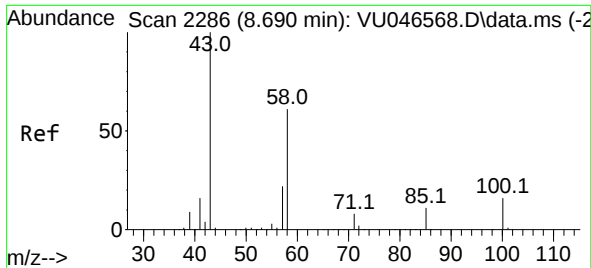


#47
Tetrachloroethene
Concen: 5.637 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.006 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:164 Resp: 32439

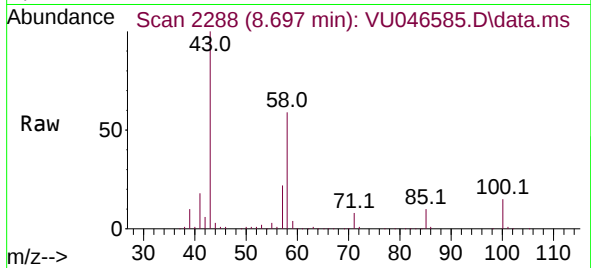
Ion	Ratio	Lower	Upper
164	100		
129	101.0	71.8	133.4
131	95.1	68.5	127.3
166	126.9	94.1	174.8





#48
2-Hexanone
Concen: 48.749 ug/L
RT: 8.697 min Scan# 21505
Delta R.T. 0.007 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

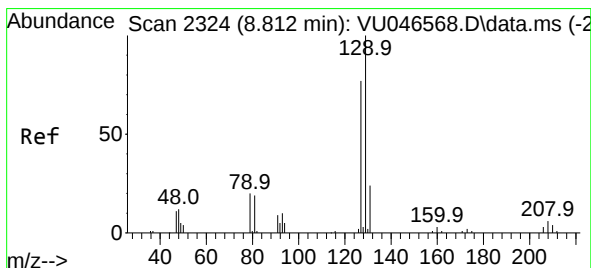
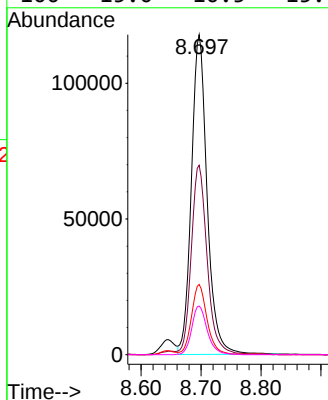
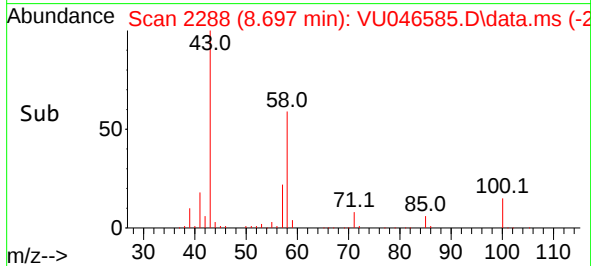
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



Tgt Ion: 43 Resp: 21505
Ion Ratio Lower Upper
43 100
58 59.2 46.7 70.1
57 21.4 16.3 24.5
100 15.0 10.5 15.7

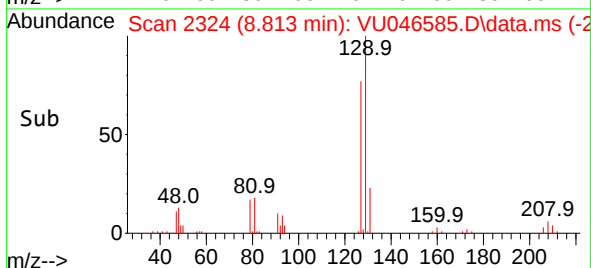
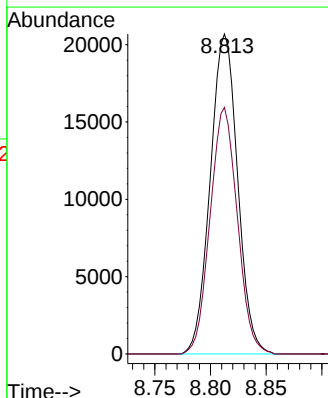
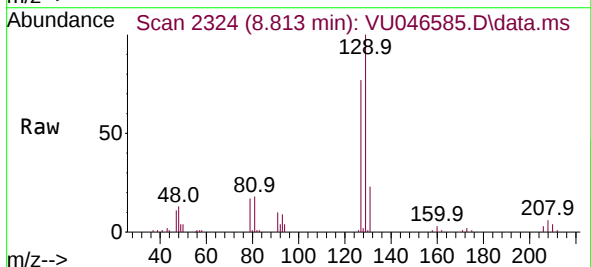
Manual Integrations
APPROVED

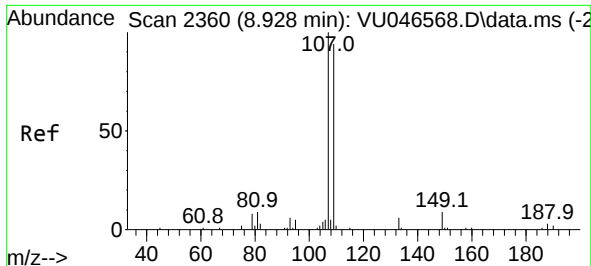
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#49
Dibromochloromethane
Concen: 4.526 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:129 Resp: 35430
Ion Ratio Lower Upper
129 100
127 77.1 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.621 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

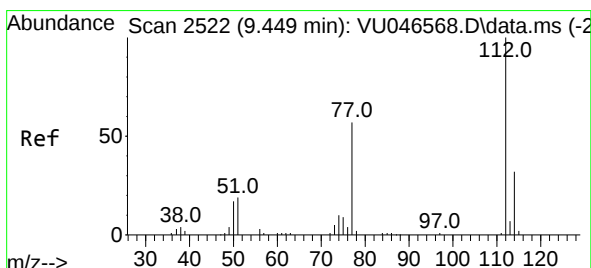
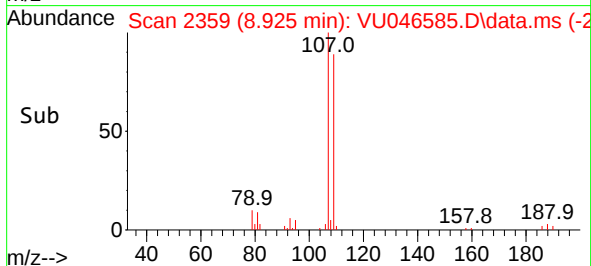
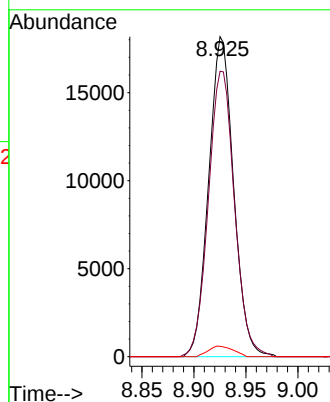
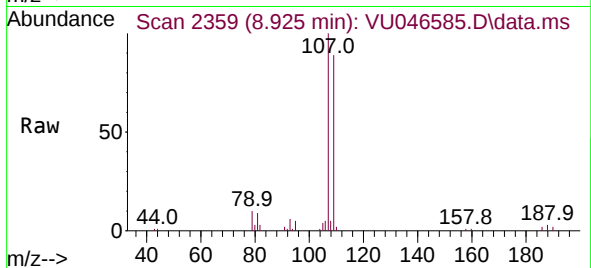
Tgt Ion:	107	Resp:	3027
Ion Ratio	Lower	Upper	
107	100		
109	89.2	64.0	119.0
188	3.3	2.4	3.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#51

Chlorobenzene

Concen: 4.671 ug/L

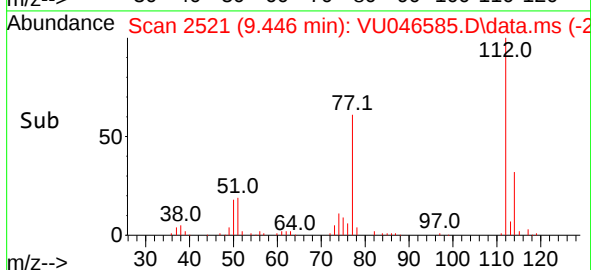
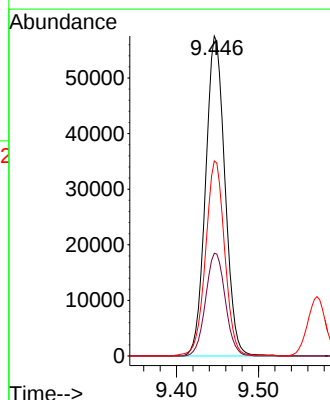
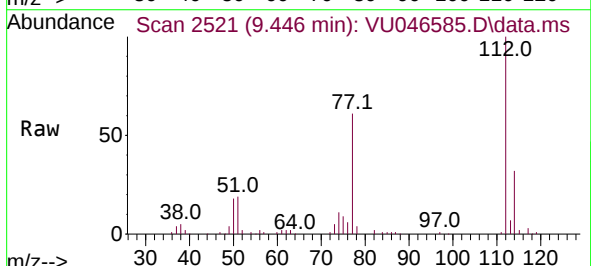
RT: 9.446 min Scan# 2521

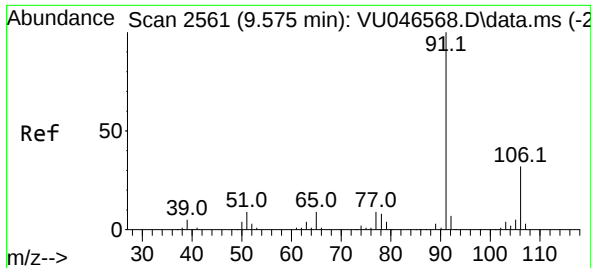
Delta R.T. -0.003 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Tgt Ion:	112	Resp:	94555
Ion Ratio	Lower	Upper	
112	100		
114	32.1	22.1	41.1
77	60.9	48.3	72.5





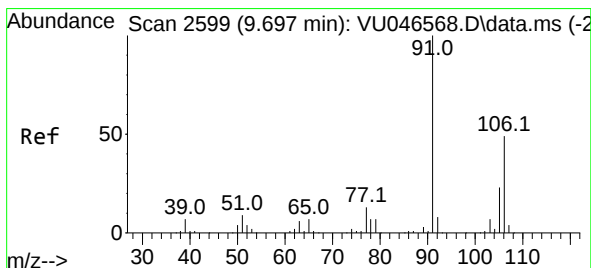
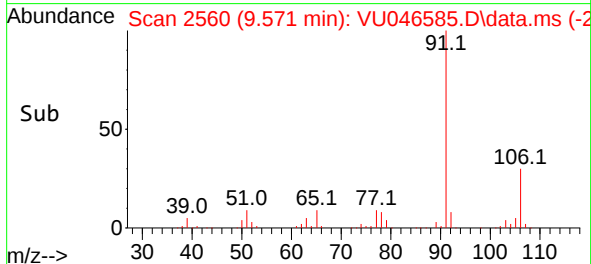
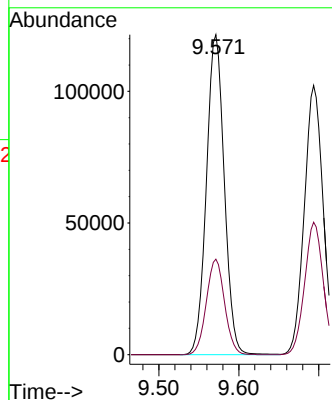
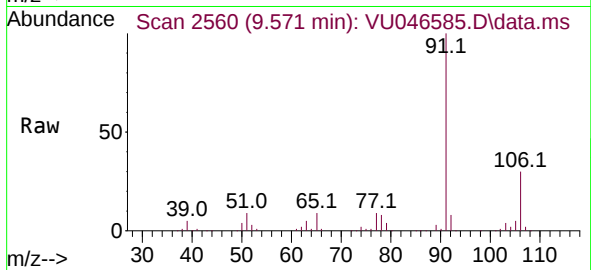
#52
Ethylbenzene
Concen: 5.763 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 91 Resp: 188900
Ion Ratio Lower Upper
91 100
106 29.8 21.5 39.9

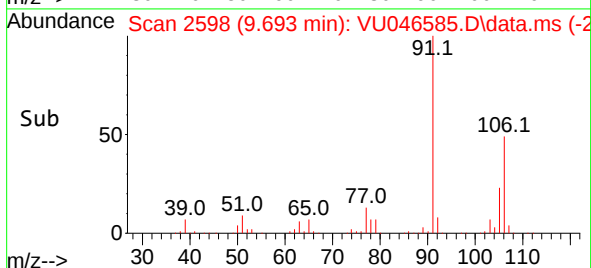
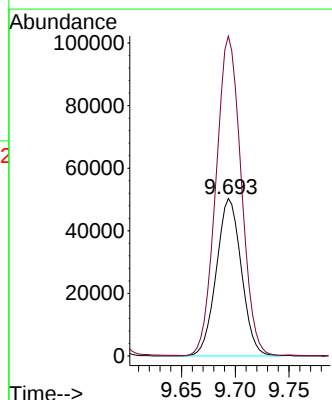
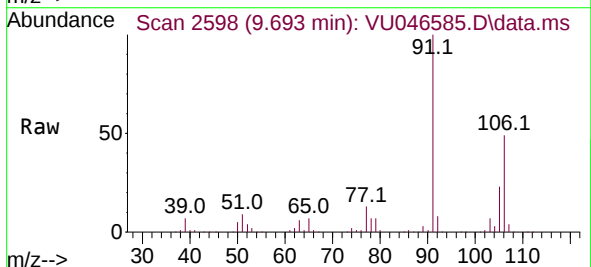
Manual Integrations
APPROVED

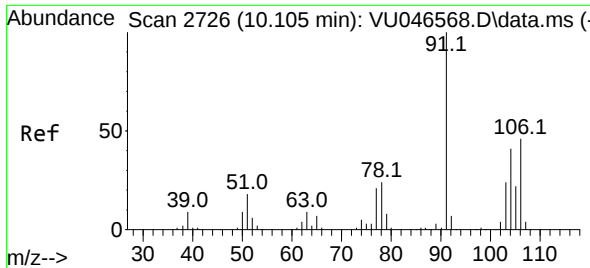
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#53
m,p-Xylene
Concen: 6.495 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:106 Resp: 81552
Ion Ratio Lower Upper
106 100
91 203.2 139.4 259.0





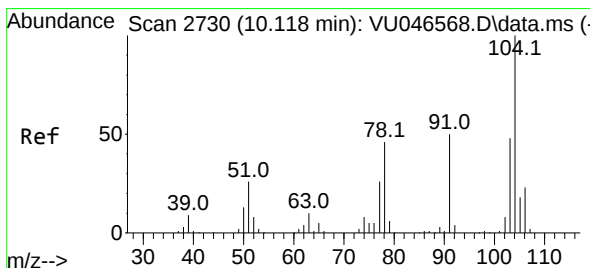
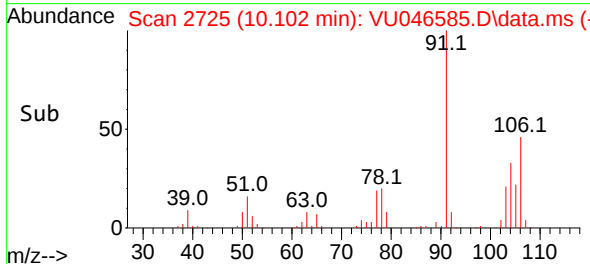
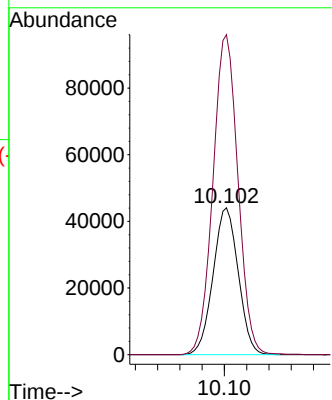
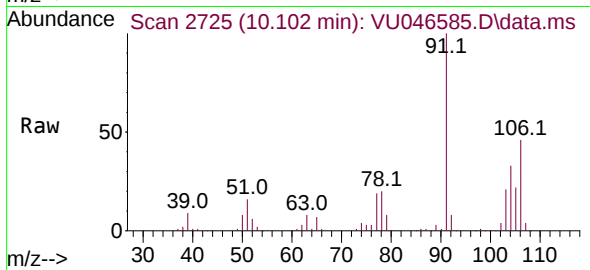
#54
o-Xylene
Concen: 5.730 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion:106 Resp: 69139
Ion Ratio Lower Upper
106 100
91 217.8 147.5 273.9

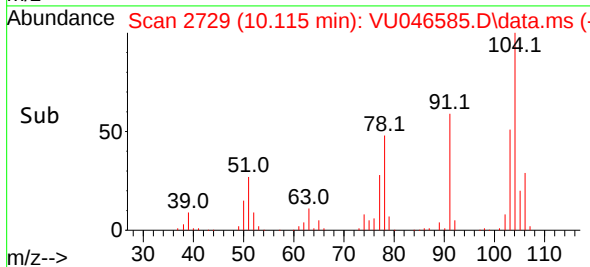
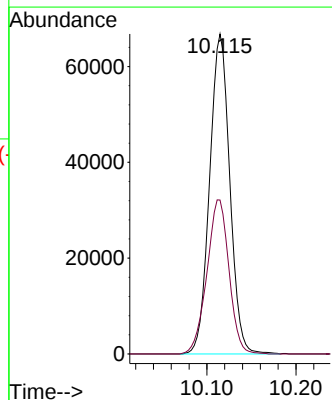
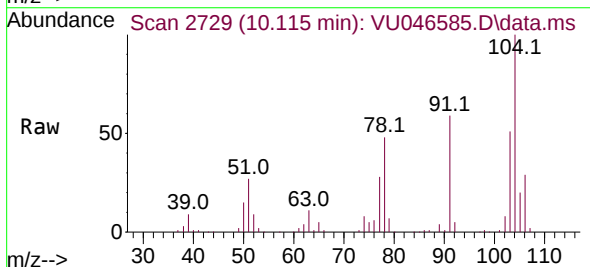
Manual Integrations
APPROVED

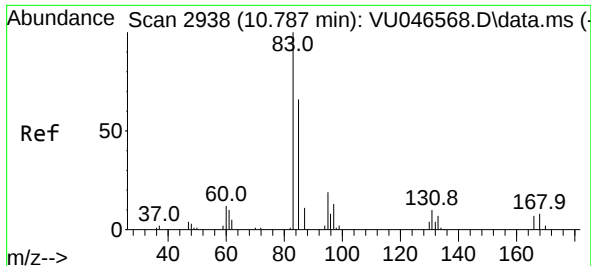
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#55
Styrene
Concen: 5.021 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:104 Resp: 105080
Ion Ratio Lower Upper
104 100
78 48.1 33.0 61.4





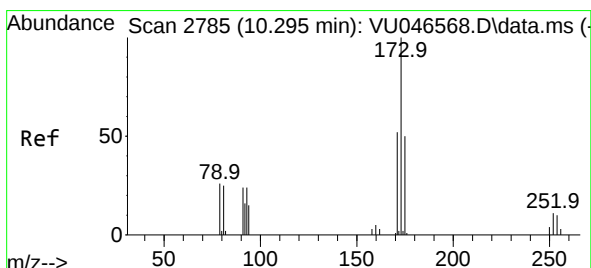
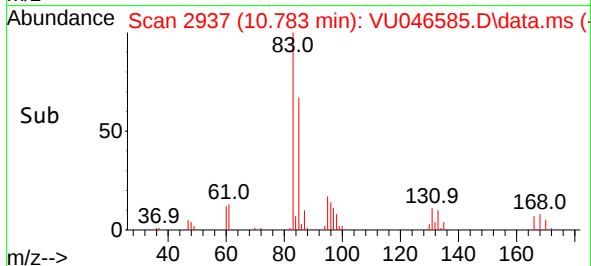
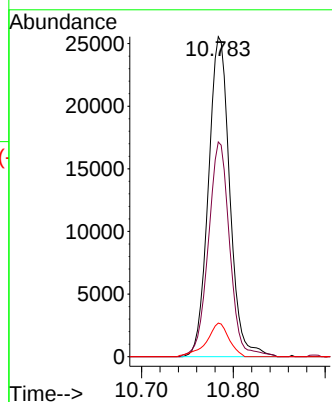
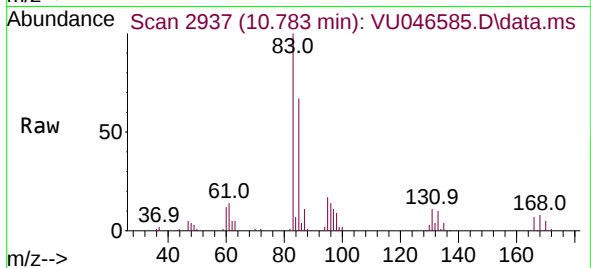
#57
1,1,2,2-Tetrachloroethane
Concen: 4.666 ug/L
RT: 10.783 min Scan# 2938
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion: 83 Resp: 41379
Ion Ratio Lower Upper
83 100
85 67.1 47.9 89.1
131 10.5 8.1 12.1

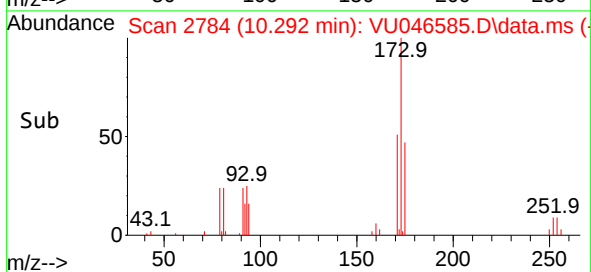
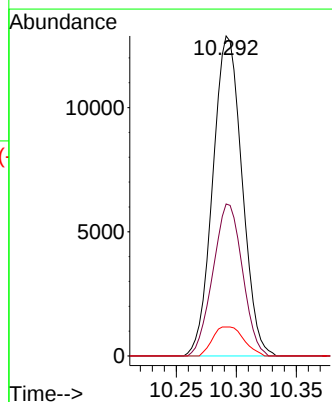
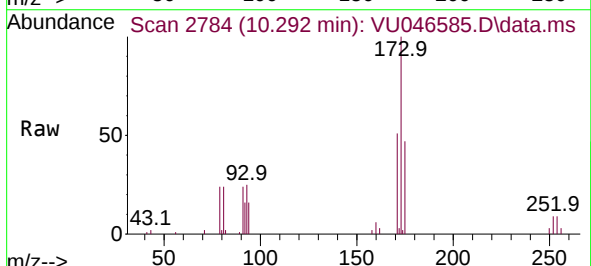
Manual Integrations
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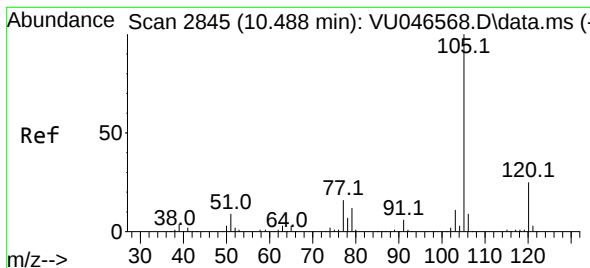
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#59
Bromoform
Concen: 4.612 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:173 Resp: 21804
Ion Ratio Lower Upper
173 100
175 48.0 37.8 56.6
254 9.7 7.3 10.9





#60

Isopropylbenzene

Concen: 5.176 ug/L

RT: 10.484 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

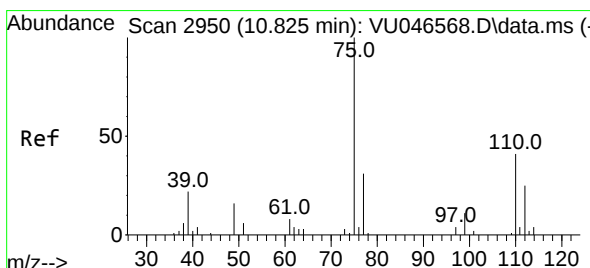
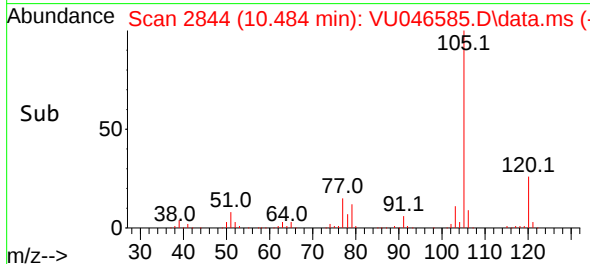
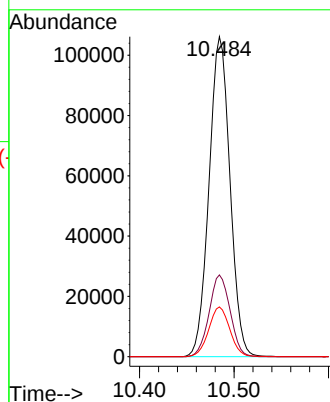
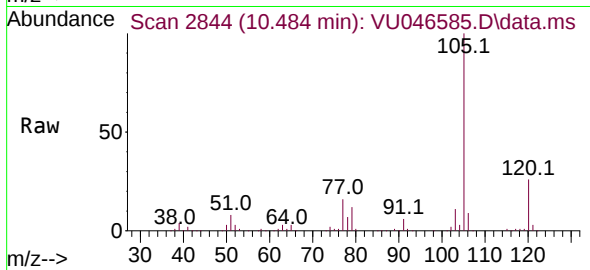
Tgt Ion:105 Resp: 163349
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.7 31.1
 77 15.7 12.6 19.0

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Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#61

1,2,3-Trichloropropane

Concen: 4.548 ug/L

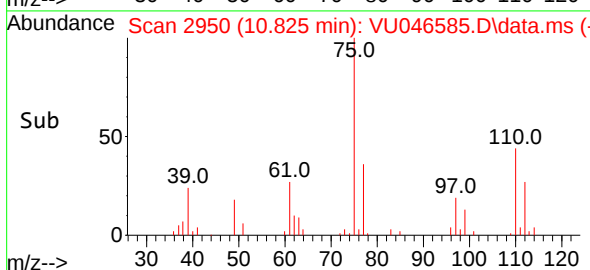
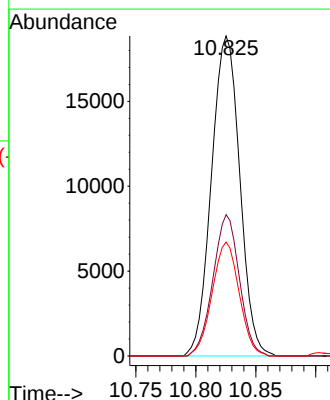
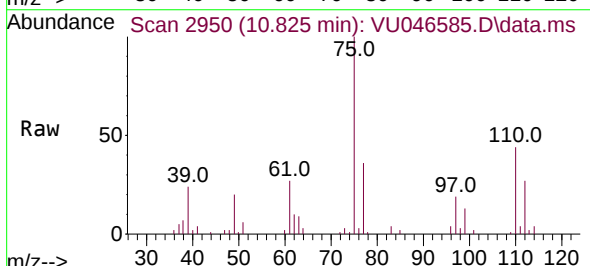
RT: 10.825 min Scan# 2950

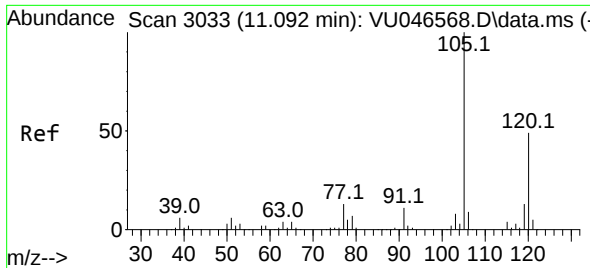
Delta R.T. 0.000 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Tgt Ion: 75 Resp: 30913
 Ion Ratio Lower Upper
 75 100
 110 41.2 29.9 44.9
 77 34.0 25.5 38.3





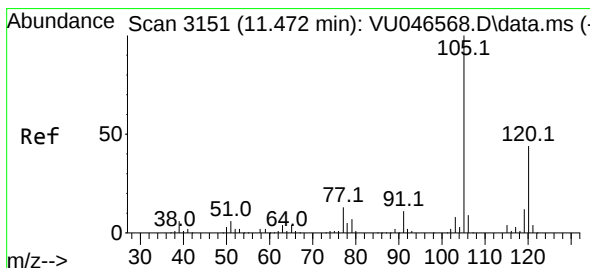
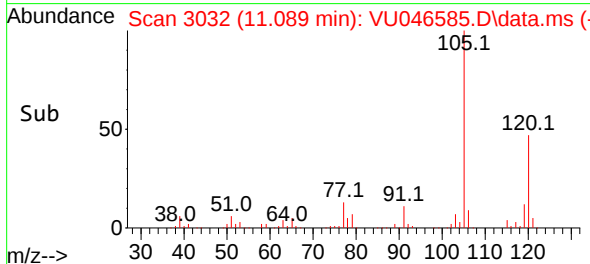
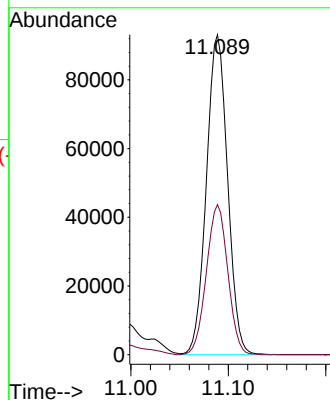
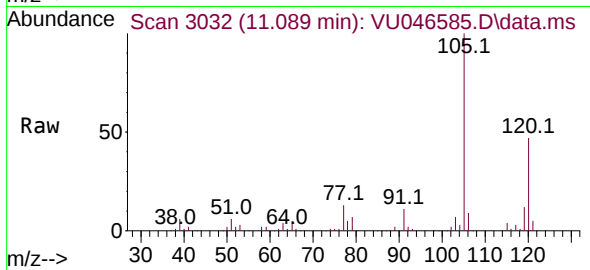
#62
1,3,5-Trimethylbenzene
Concen: 5.356 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS

Tgt Ion:105 Resp: 14058
Ion Ratio Lower Upper
105 100
120 47.4 38.3 57.5

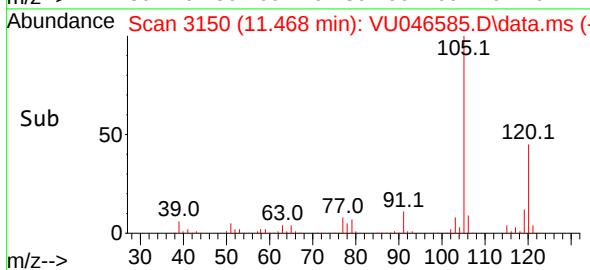
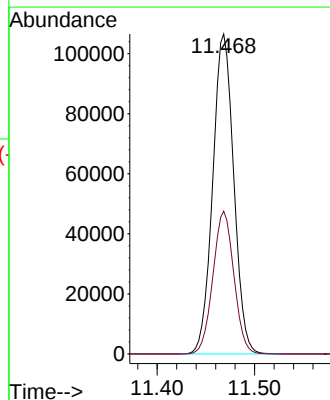
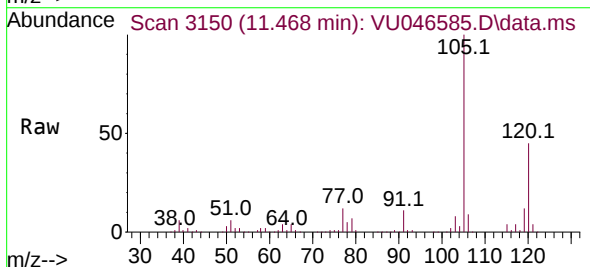
Manual Integrations
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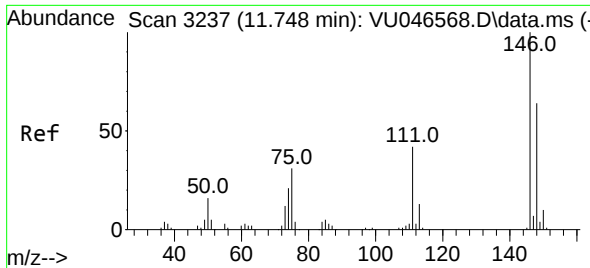
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#63
1,2,4-Trimethylbenzene
Concen: 6.048 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

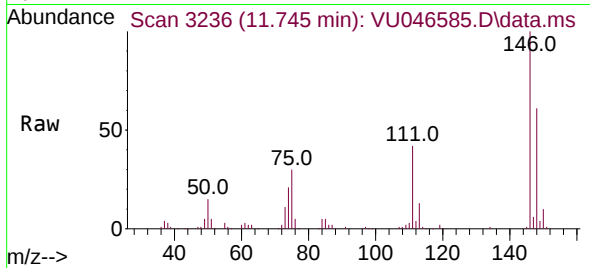
Tgt Ion:105 Resp: 159859
Ion Ratio Lower Upper
105 100
120 44.4 35.8 53.8





#64
1,3-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

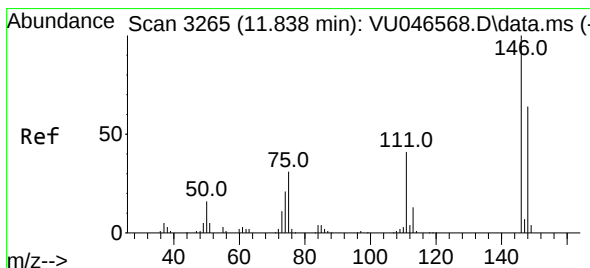
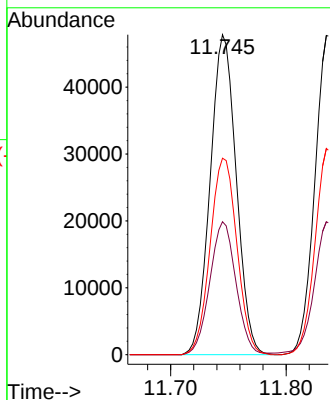
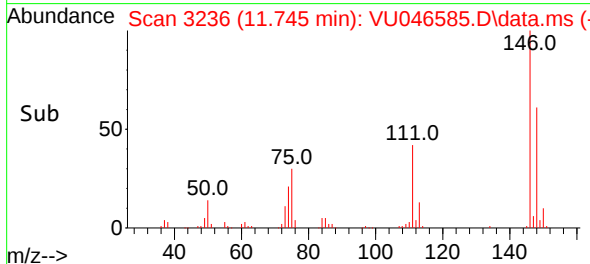
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



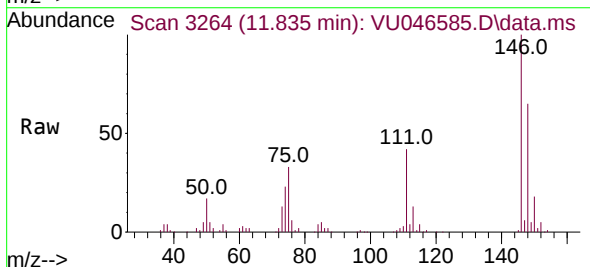
Tgt Ion:146 Resp: 75020
Ion Ratio Lower Upper
146 100
111 41.5 29.9 55.5
148 61.4 44.3 82.3

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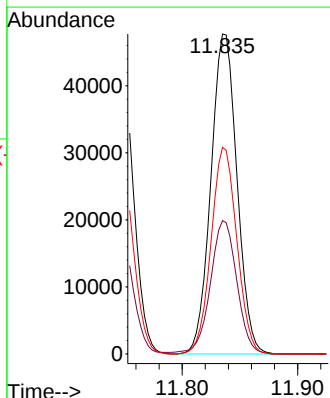
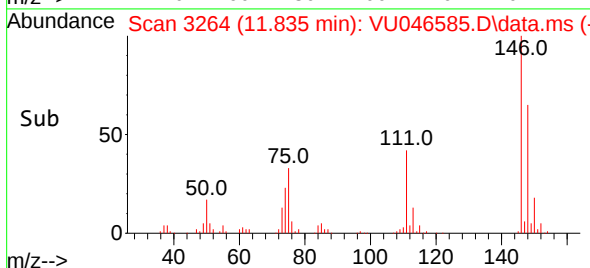
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

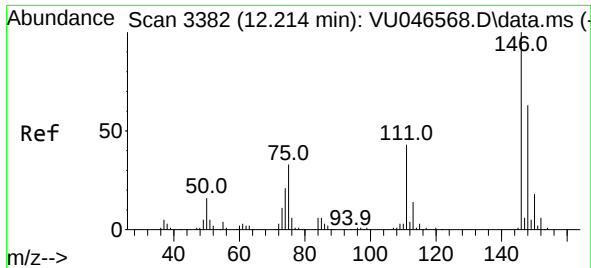


#65
1,4-Dichlorobenzene
Concen: 4.765 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01



Tgt Ion:146 Resp: 74844
Ion Ratio Lower Upper
146 100
111 41.7 28.7 53.3
148 64.6 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.829 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

Instrument :

MSVOA_U

ClientSampleId :

H0AO4MS

Tgt Ion:146 Resp: 7431

Ion Ratio Lower Upper

146 100

111 45.8 35.4 53.0

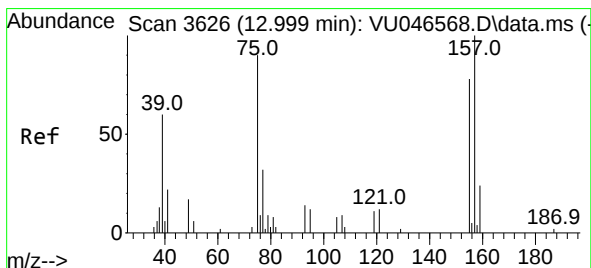
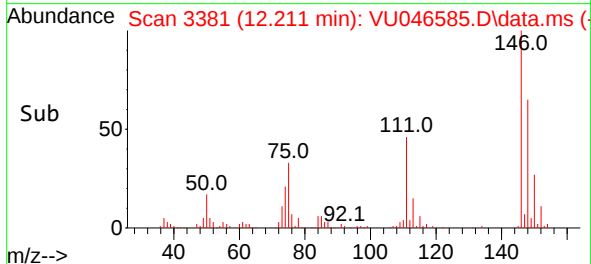
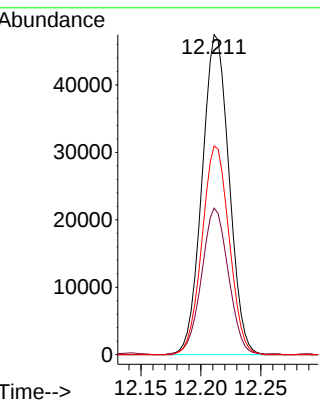
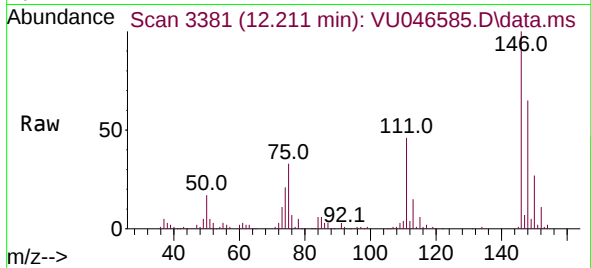
148 65.3 51.1 76.7

Manual Integrations

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Reviewed By :Amit Patel 12/24/2021

Supervised By :Semsettin Yesilyurt 01/02/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 4.678 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046585.D

Acq: 23 Dec 2021 23:01

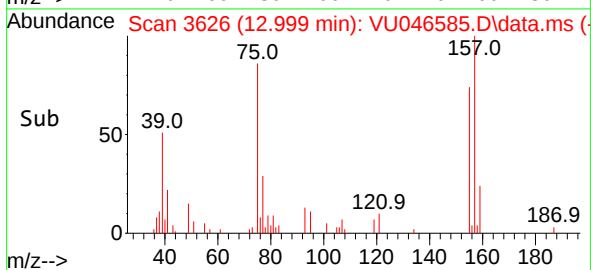
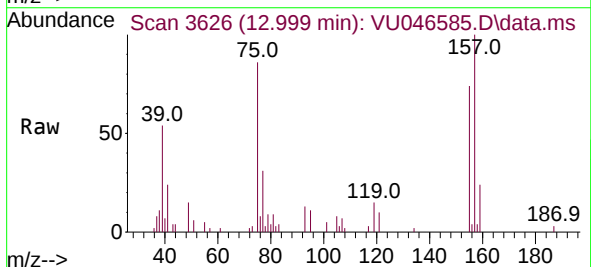
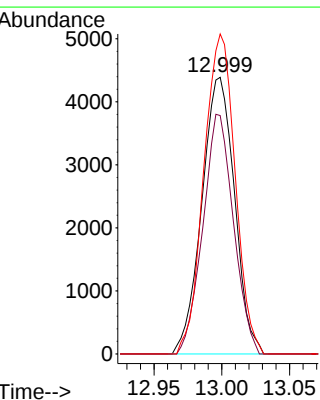
Tgt Ion: 75 Resp: 7360

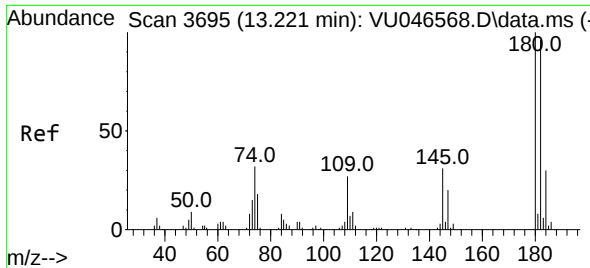
Ion Ratio Lower Upper

75 100

155 86.2 59.2 88.8

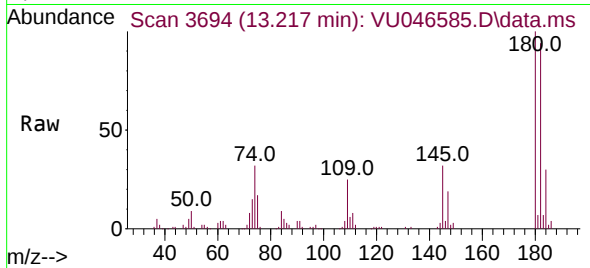
157 115.6 76.5 114.7#





#69
1,3,5-Trichlorobenzene
Concen: 4.977 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

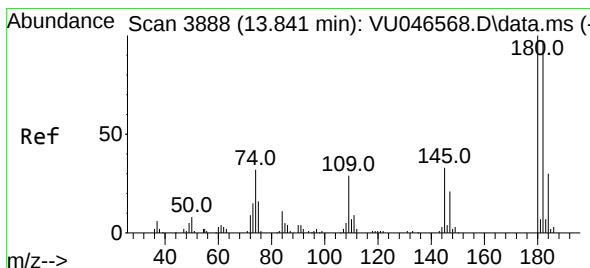
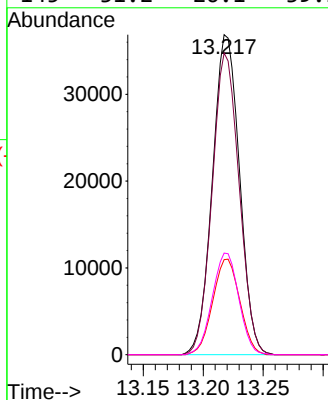
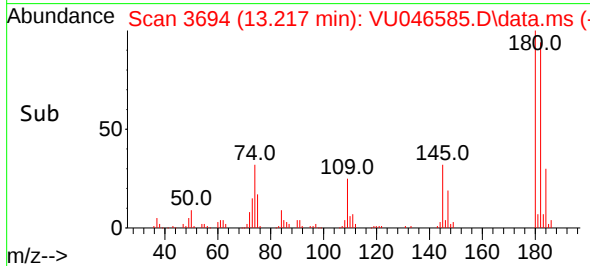
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



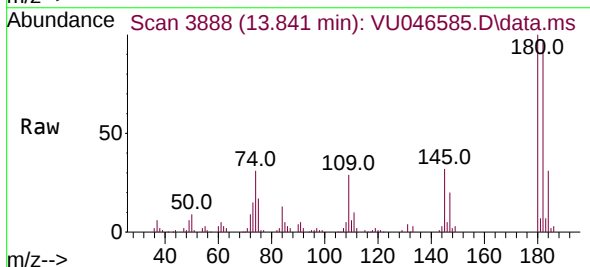
Tgt Ion:180 Resp: 5778
Ion Ratio Lower Upper
180 100
182 93.8 76.1 114.1
184 29.9 25.0 37.4
145 31.2 26.1 39.1

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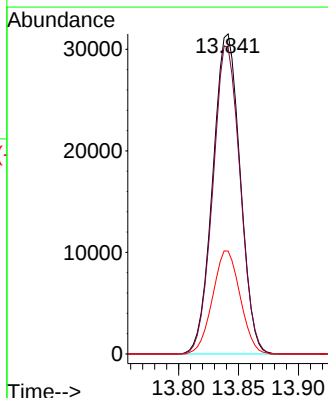
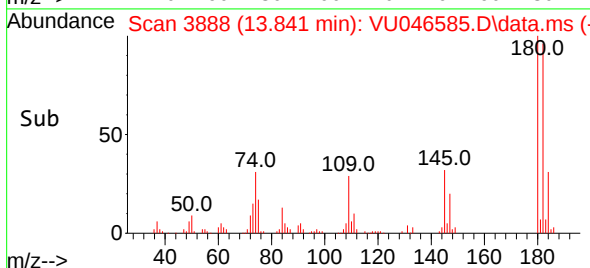
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

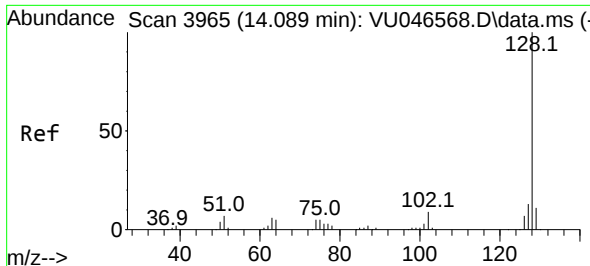


#70
1,2,4-trichlorobenzene
Concen: 5.078 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01



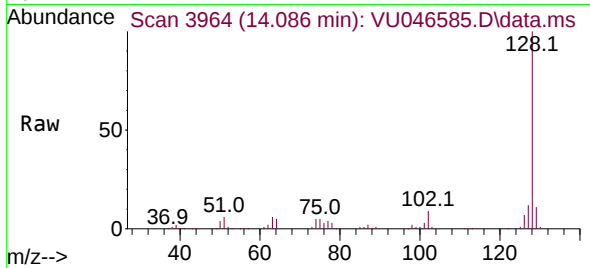
Tgt Ion:180 Resp: 49940
Ion Ratio Lower Upper
180 100
182 96.0 76.4 114.6
145 32.5 25.6 38.4





#71
Naphthalene
Concen: 7.164 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

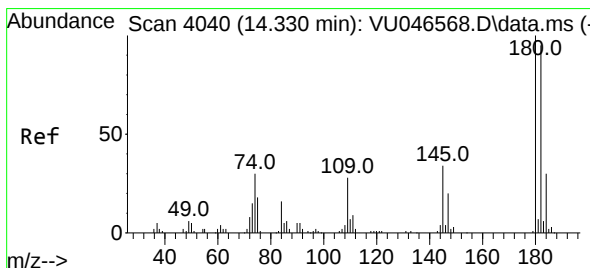
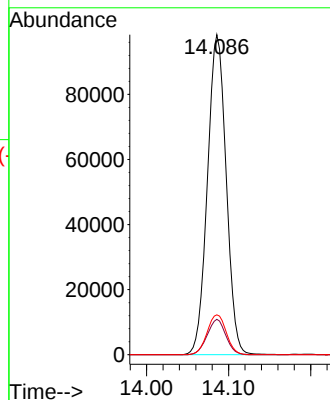
Instrument :
MSVOA_U
ClientSampleId :
H0AO4MS



Tgt Ion:128 Resp: 156462
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.7 10.2 15.2

Manual Integrations
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Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#72
1,2,3-Trichlorobenzene
Concen: 5.082 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046585.D
Acq: 23 Dec 2021 23:01

Tgt Ion:180 Resp: 49483
Ion Ratio Lower Upper
180 100
182 96.1 76.2 114.4
145 35.9 28.4 42.6

