

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046584.D
 Acq On : 23 Dec 2021 22:37
 Operator : SY/MD
 Sample : M5170-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 04:59:26 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	93410	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	91909	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44049	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	21180	2.879	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	57.600%		
7) Chloroethane-d5	1.919	69	18504	3.194	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	63.800%#		
11) 1,1-Dichloroethene-d2	2.575	65	9296	2.996	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	60.000%		
20) 2-Butanone-d5	4.671	46	94660	44.354	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	88.700%		
24) Chloroform-d	5.067	84	48052	3.564	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	71.200%		
26) 1,2-Dichloroethane-d4	5.706	65	29608	3.842	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	76.800%		
32) Benzene-d6	5.729	84	87194	3.403	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	68.000%#		
36) 1,2-Dichloropropane-d6	6.694	67	29382	3.816	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	76.400%		
41) Toluene-d8	7.899	98	74318	3.196	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	64.000%#		
43) trans-1,3-Dichloroprop...	8.179	79	12636	3.549	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	71.000%		
46) 2-Hexanone-d5	8.639	63	97037	46.418	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	92.840%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	31795	4.024	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	80.400%		
66) 1,2-Dichlorobenzene-d4	12.195	152	32866	4.051	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	81.000%		
Target Compounds						Qvalue
13) Acetone	2.700	43	10956m	5.475	ug/L	
14) Carbon disulfide	2.800	76	8741	0.326	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	3752	0.392	ug/L	90
33) Benzene	5.777	78	23260	0.637	ug/L	100
34) Trichloroethene	6.546	95	7265	0.755	ug/L	95
40) 4-Methyl-2-pentanone	7.796	43	9543	1.365	ug/L #	97
42) Toluene	7.970	91	33897	0.904	ug/L	96
47) Tetrachloroethene	8.555	164	3978	0.584	ug/L	95
52) Ethylbenzene	9.571	91	9062	0.234	ug/L	99
53) m,p-Xylene	9.693	106	6555	0.441	ug/L	91
54) o-Xylene	10.105	106	2103	0.147	ug/L	90
62) 1,3,5-Trimethylbenzene	11.089	105	2350	0.083	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	12177	0.428	ug/L	98

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

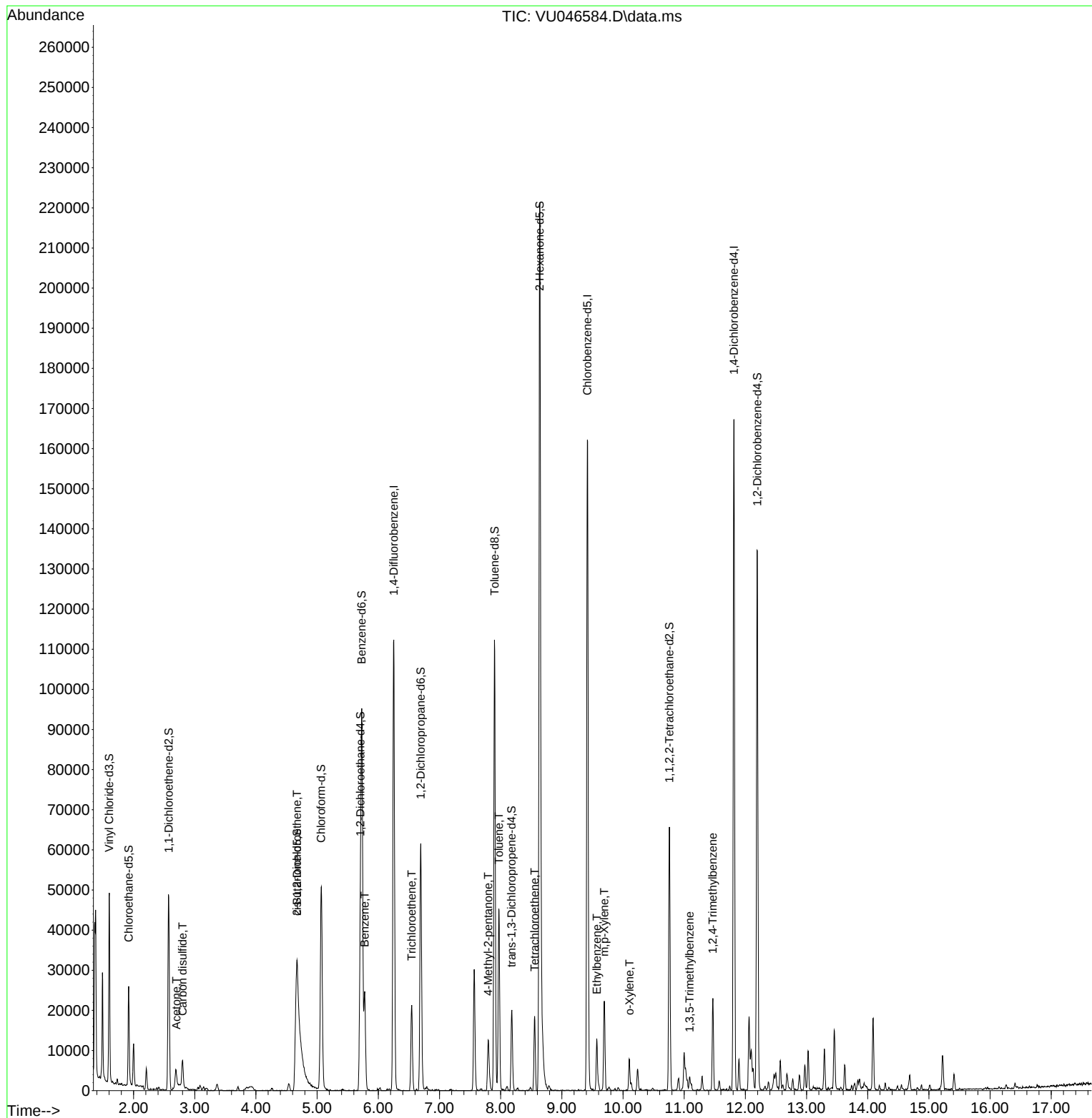
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
Data File : VU046584.D
Acq On : 23 Dec 2021 22:37
Operator : SY/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

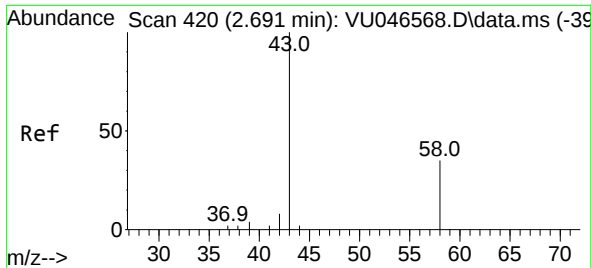
Instrument :
MSVOA_U
ClientSampleId :
H0AO4

Quant Time: Dec 24 04:59:26 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

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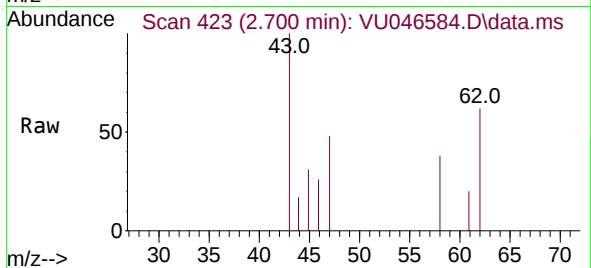
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022





#13
Acetone
Concen: 5.475 ug/L m
RT: 2.700 min Scan# 41
Delta R.T. 0.006 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

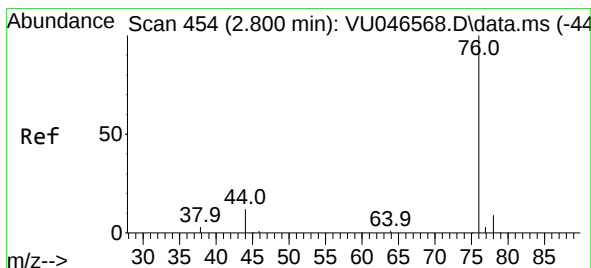
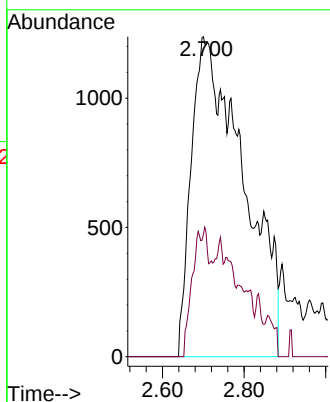
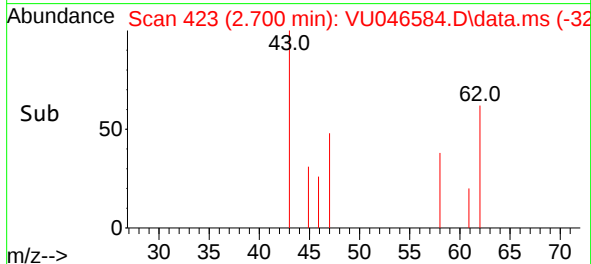
Instrument :
MSVOA_U
ClientSampleId :
H0AO4



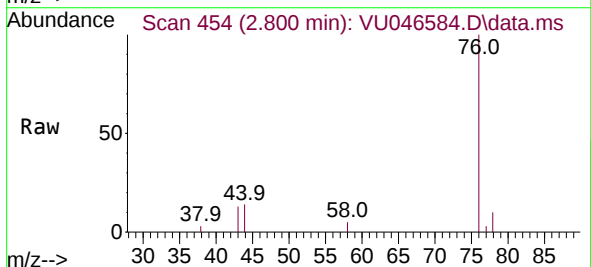
Tgt Ion: 43 Resp: 10950
Ion Ratio Lower Upper
43 100
58 7.1 0.0 71.6

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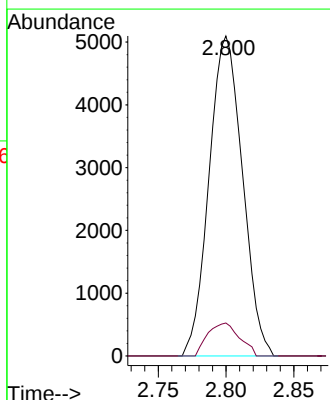
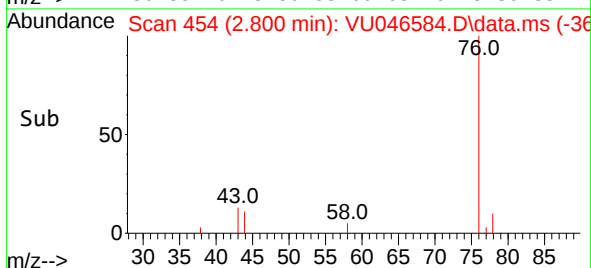
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022

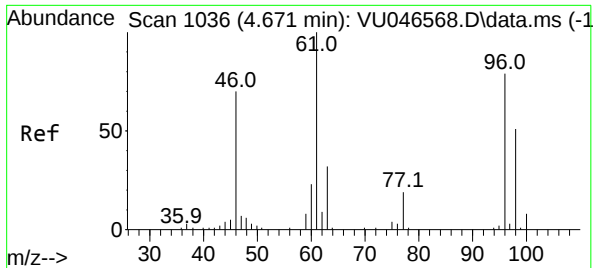


#14
Carbon disulfide
Concen: 0.326 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37



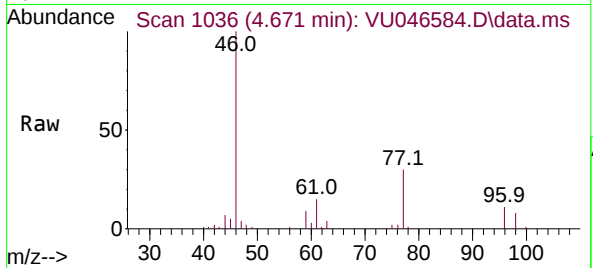
Tgt Ion: 76 Resp: 8741
Ion Ratio Lower Upper
76 100
78 10.3 7.5 11.3





#22
 cis-1,2-Dichloroethene
 Concen: 0.392 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046584.D
 Acq: 23 Dec 2021 22:37

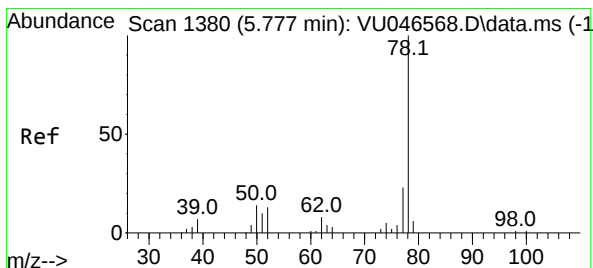
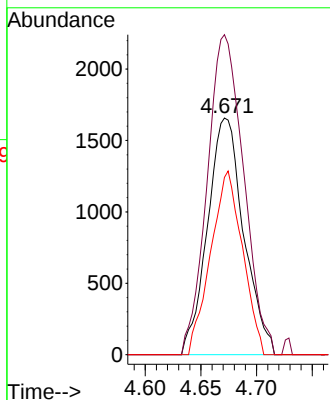
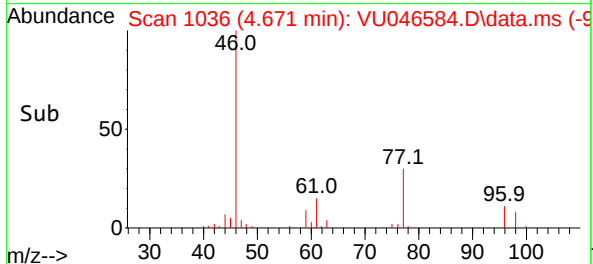
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO4



Tgt Ion: 96 Resp: 3752
 Ion Ratio Lower Upper
 96 100
 61 135.2 88.5 164.3
 98 75.0 44.4 82.5

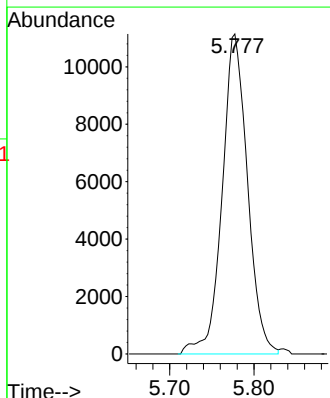
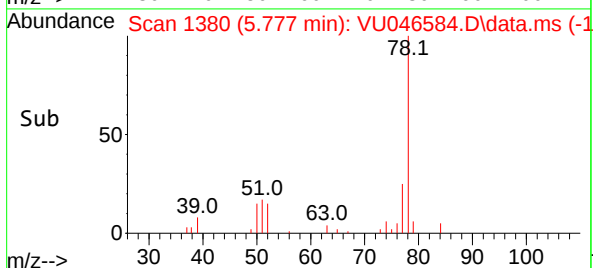
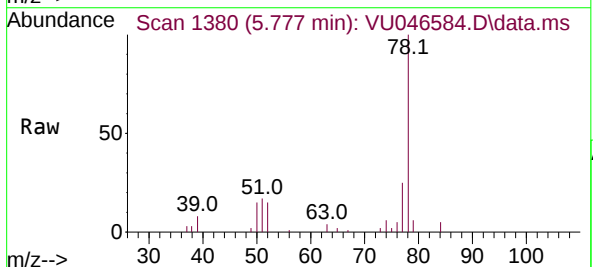
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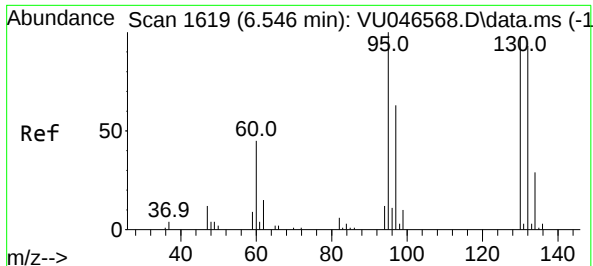
Reviewed By :Amit Patel 12/24/2021
 Supervised By :Semsettin Yesilyurt 01/02/2022



#33
 Benzene
 Concen: 0.637 ug/L
 RT: 5.777 min Scan# 1380
 Delta R.T. 0.000 min
 Lab File: VU046584.D
 Acq: 23 Dec 2021 22:37

Tgt Ion: 78 Resp: 23260





#34

Trichloroethene

Concen: 0.755 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046584.D

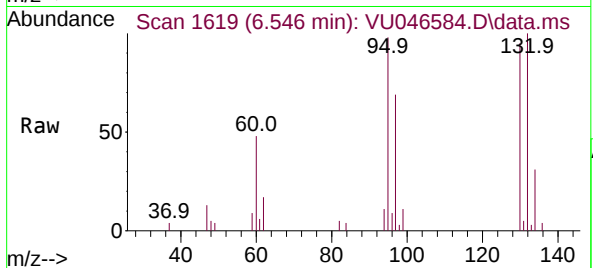
Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

ClientSampleId :

H0AO4



Tgt Ion: 95 Resp: 726

Ion Ratio Lower Upper

95 100

97 70.4 46.5 86.5

132 101.6 65.1 120.9

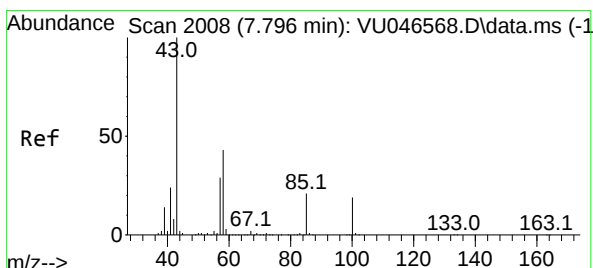
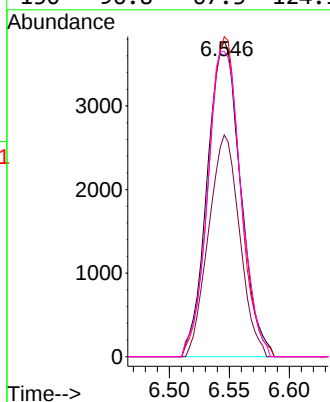
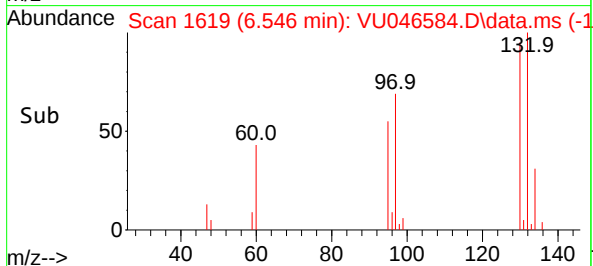
130 96.8 67.3 124.9

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#40

4-Methyl-2-pentanone

Concen: 1.365 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

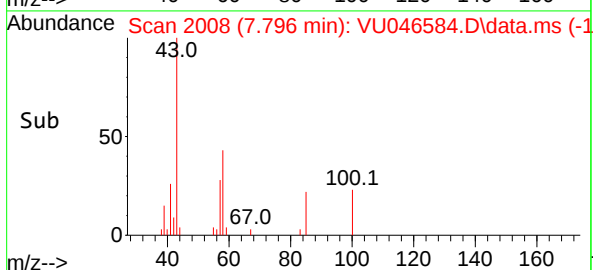
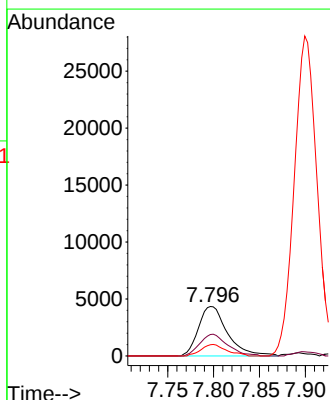
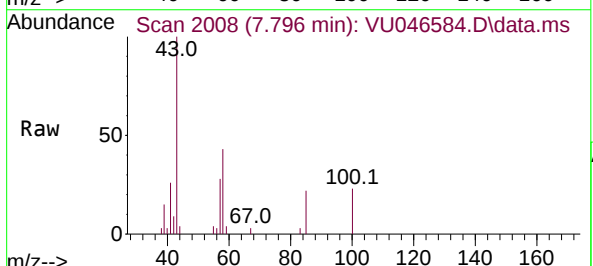
Tgt Ion: 43 Resp: 9543

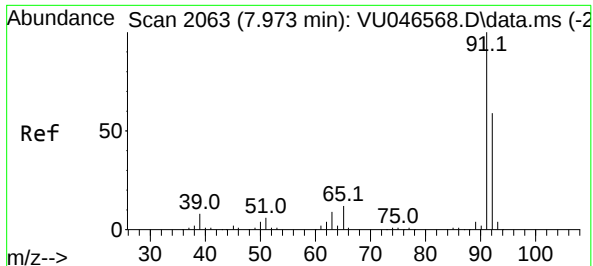
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

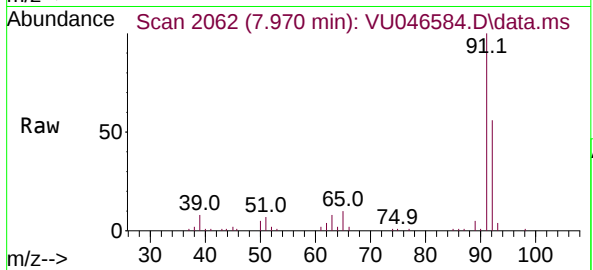
100 20.3 13.2 19.8





#42
Toluene
Concen: 0.904 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

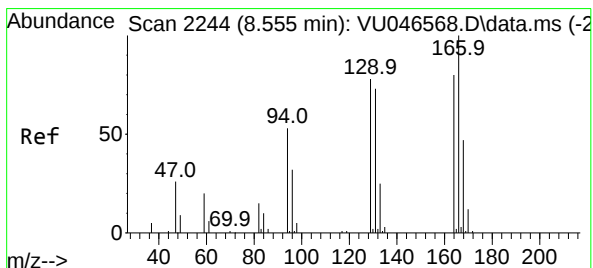
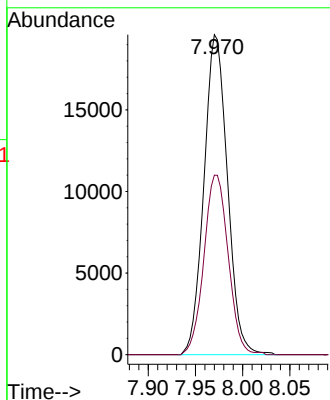
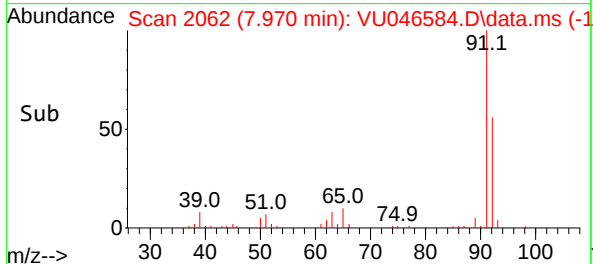
Instrument :
MSVOA_U
ClientSampleId :
H0AO4



Tgt Ion: 91 Resp: 3389
Ion Ratio Lower Upper
91 100
92 56.1 41.3 76.7

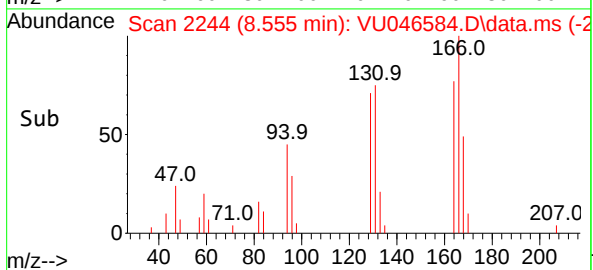
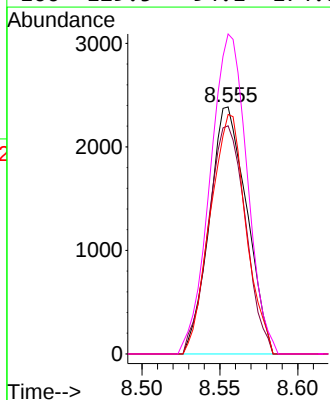
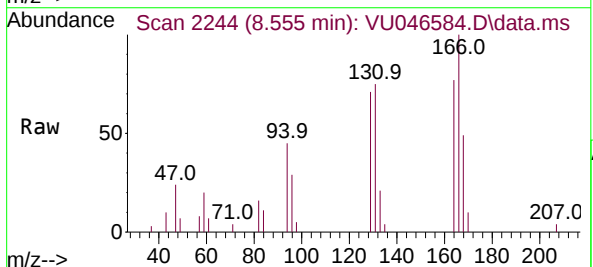
Manual Integrations
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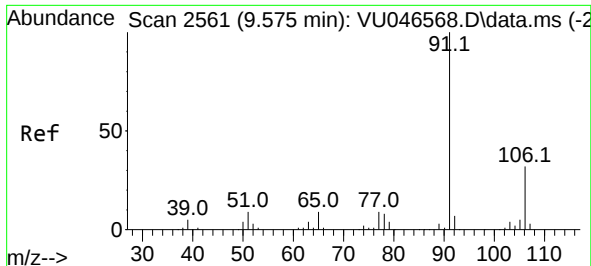
Reviewed By :Amit Patel 12/24/2021
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#47
Tetrachloroethene
Concen: 0.584 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Tgt Ion:164 Resp: 3978
Ion Ratio Lower Upper
164 100
129 92.4 71.8 133.4
131 97.0 68.5 127.3
166 129.5 94.1 174.8





#52

Ethylbenzene

Concen: 0.234 ug/L

RT: 9.571 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU046584.D

Acq: 23 Dec 2021 22:37

Instrument :

MSVOA_U

ClientSampleId :

H0AO4

Tgt Ion: 91 Resp: 906

Ion Ratio Lower Upper

91 100

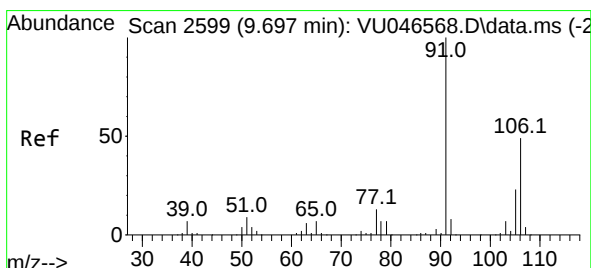
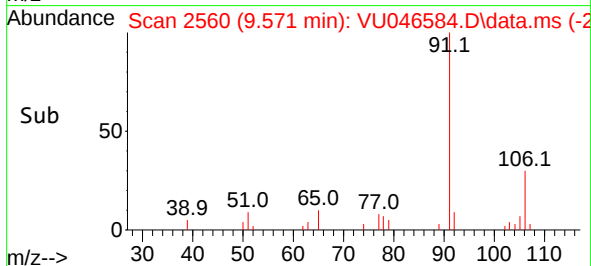
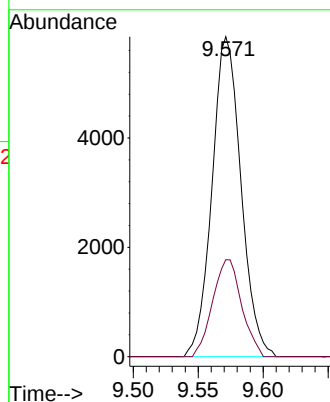
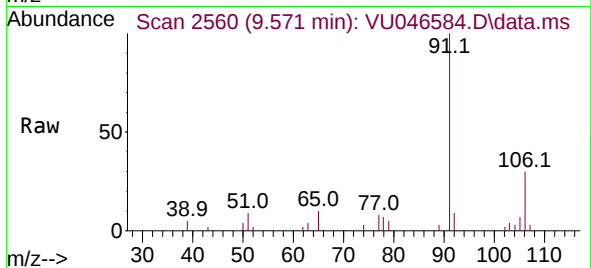
106 30.3 21.5 39.9

Manual Integrations

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#53

m,p-Xylene

Concen: 0.441 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU046584.D

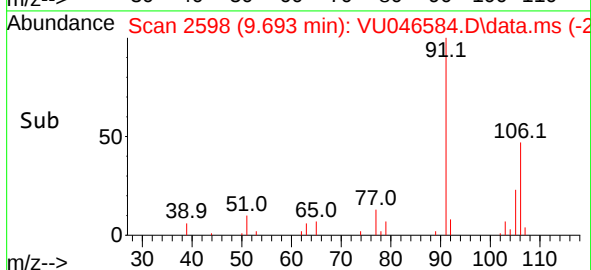
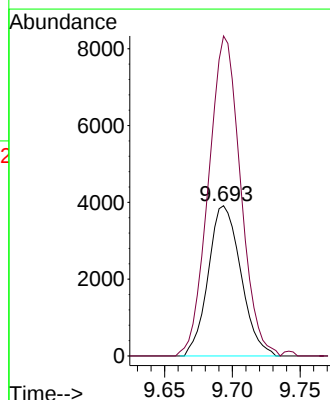
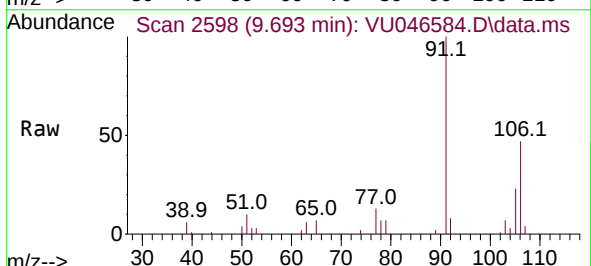
Acq: 23 Dec 2021 22:37

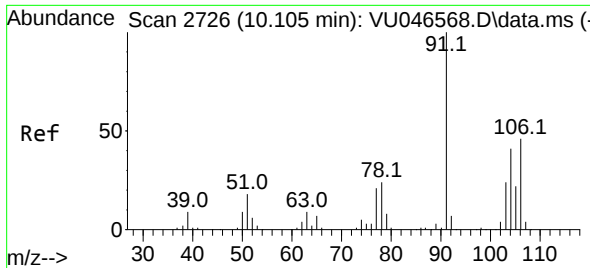
Tgt Ion:106 Resp: 6555

Ion Ratio Lower Upper

106 100

91 213.0 139.4 259.0





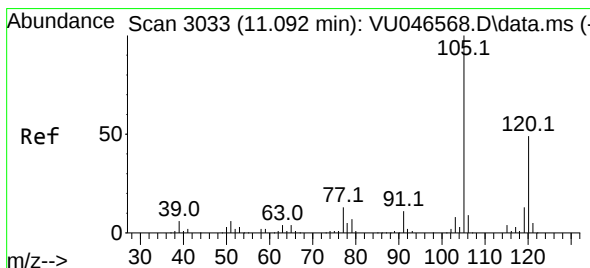
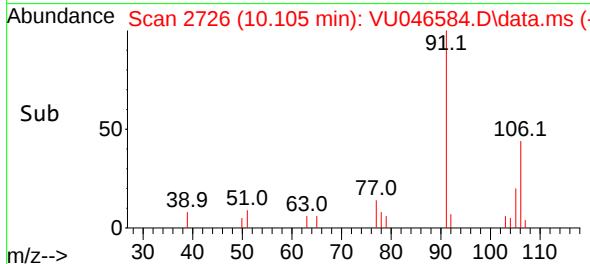
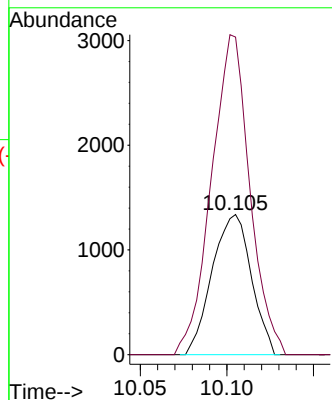
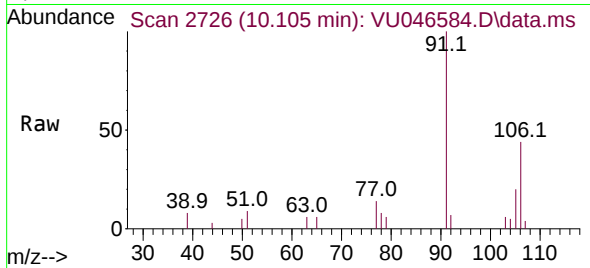
#54
o-Xylene
Concen: 0.147 ug/L
RT: 10.105 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

Instrument :
MSVOA_U
ClientSampleId :
H0AO4

Tgt Ion:106 Resp: 210
Ion Ratio Lower Upper
106 100
91 226.5 147.5 273.9

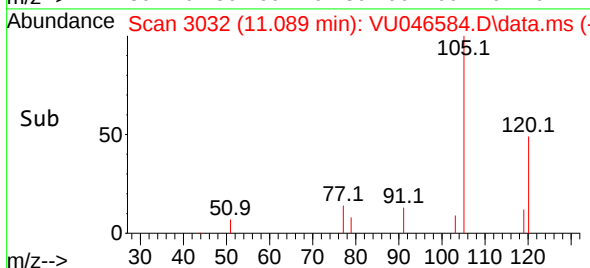
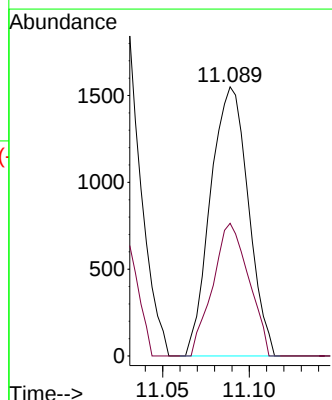
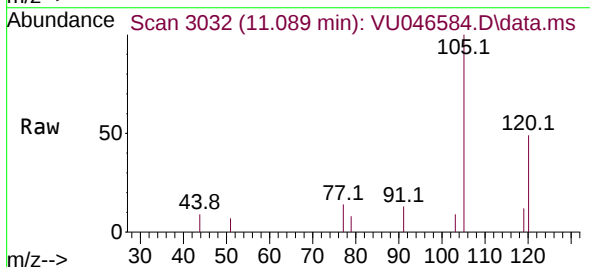
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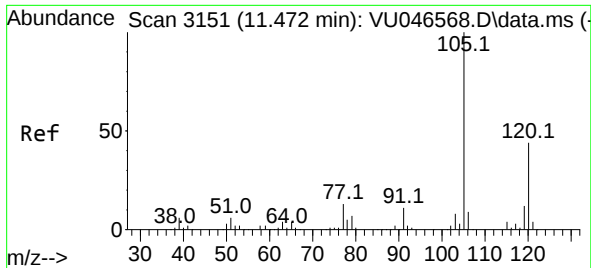
Reviewed By :Amit Patel 12/24/2021
Supervised By :Semsettin Yesilyurt 01/02/2022



#62
1,3,5-Trimethylbenzene
Concen: 0.083 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU046584.D
Acq: 23 Dec 2021 22:37

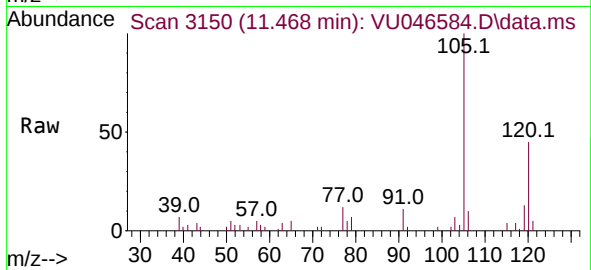
Tgt Ion:105 Resp: 2350
Ion Ratio Lower Upper
105 100
120 47.0 38.3 57.5





#63
 1,2,4-Trimethylbenzene
 Concen: 0.428 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU046584.D
 Acq: 23 Dec 2021 22:37

Instrument : MSVOA_U
 ClientSampleId : H0AO4



Tgt Ion:105 Resp: 1217
 Ion Ratio Lower Upper
 105 100
 120 43.7 35.8 53.8

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