

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046544.D
 Acq On : 21 Dec 2021 23:45
 Operator : SY/MD
 Sample : M5170-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AO2

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/24/2021
 Supervised By :Mahesh Dadoda 12/28/2021

Quant Time: Dec 22 05:48:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	87129	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	84573	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43310	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	30434	4.435	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.922	69	24221	4.482	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.575	65	13246	4.577	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.658	46	106939	53.720	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	5.070	84	55519	4.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.706	65	33965	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.732	84	113735	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.694	67	34723	4.901	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.899	98	100507	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.182	79	15486	4.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.636	63	100594	52.293	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34111	4.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	40309	5.053	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds	Qvalue					
13) Acetone	2.681	43	10929m	5.856	ug/L	
14) Carbon disulfide	2.803	76	8724	0.348	ug/L	98
21) 2-Butanone	4.732	43	4195m	1.481	ug/L	
22) cis-1,2-Dichloroethene	4.671	96	24527	2.744	ug/L	99
33) Benzene	5.777	78	47337	1.409	ug/L	100
40) 4-Methyl-2-pentanone	7.800	43	10694	1.662	ug/L #	88
42) Toluene	7.970	91	75042	2.176	ug/L	99
47) Tetrachloroethene	8.555	164	2138	0.341	ug/L	96
52) Ethylbenzene	9.571	91	23288	0.652	ug/L	96
53) m,p-Xylene	9.693	106	18826	1.376	ug/L	94
54) o-Xylene	10.102	106	5912	0.450	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	11554	0.416	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	57950	2.072	ug/L	100

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

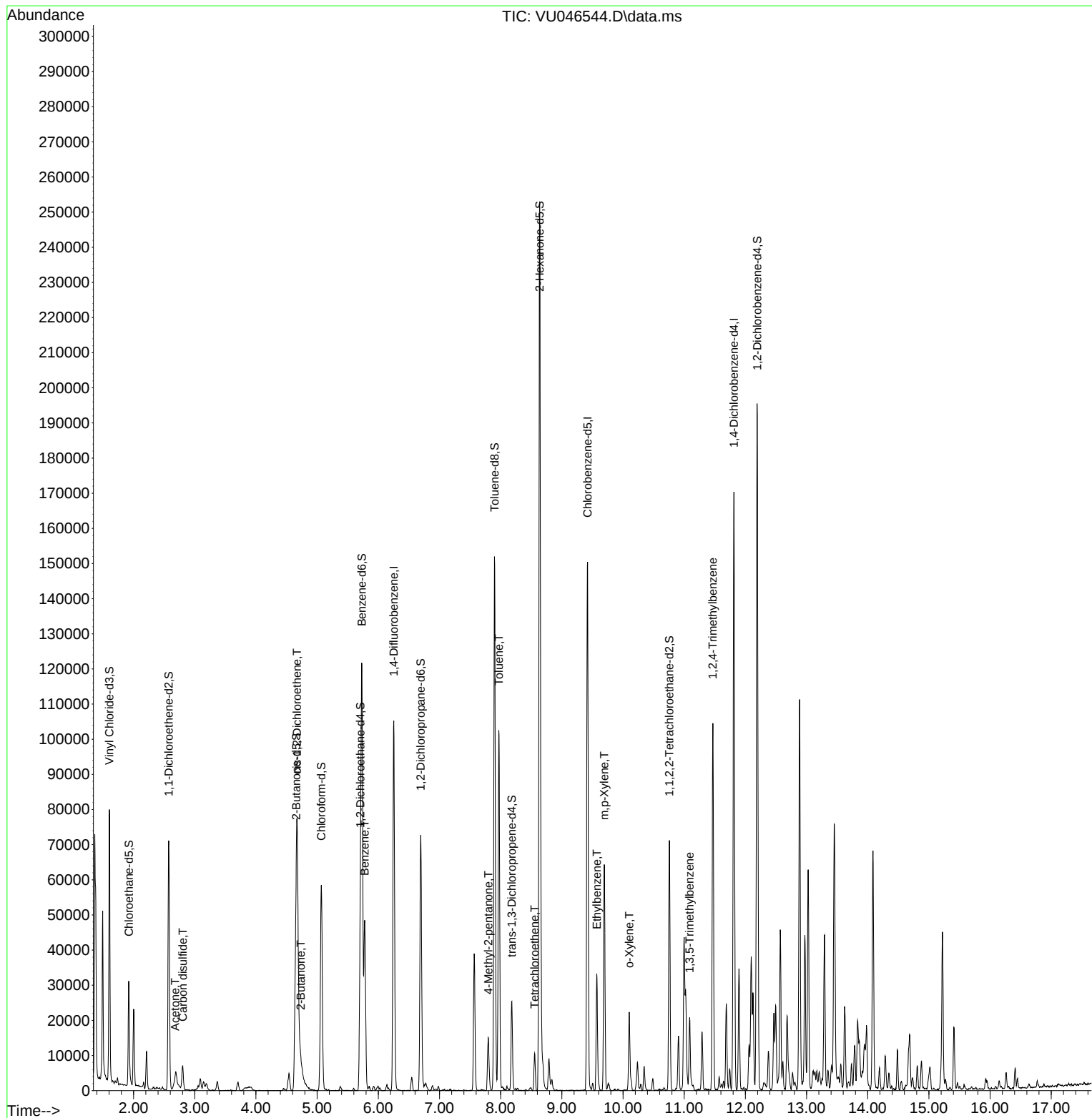
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Data File : VU046544.D
Acq On : 21 Dec 2021 23:45
Operator : SY/MD
Sample : M5170-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

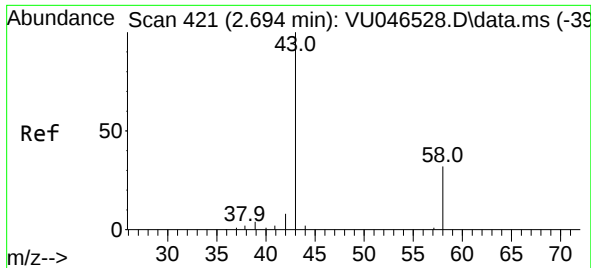
Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Quant Time: Dec 22 05:48:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 21 14:35:13 2021
Response via : Initial Calibration

Manual Integrations
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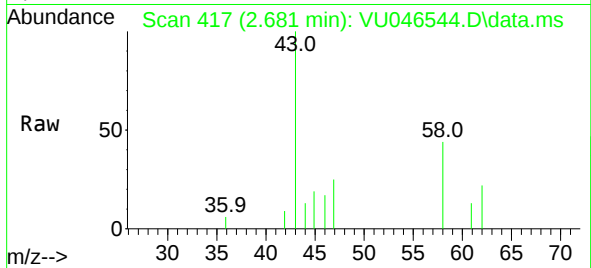
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021





#13
Acetone
Concen: 5.856 ug/L m
RT: 2.681 min Scan# 417
Delta R.T. -0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

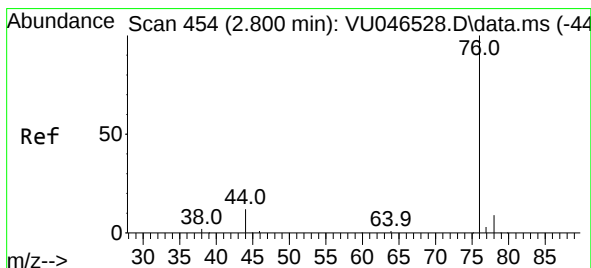
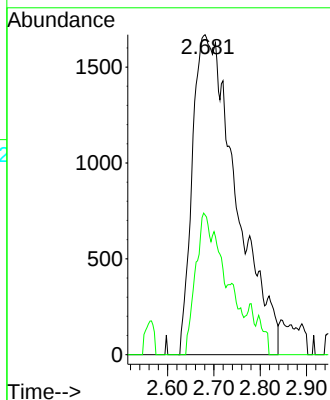
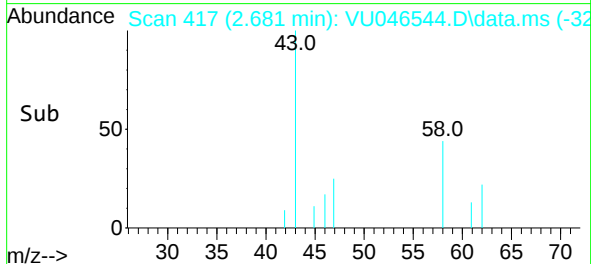
Instrument :
MSVOA_U
ClientSampleId :
H0AO2



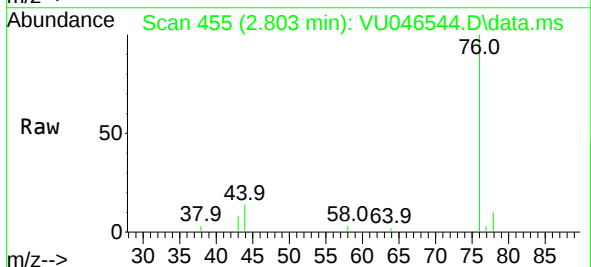
Tgt Ion: 43 Resp: 10929
Ion Ratio Lower Upper
43 100
58 14.7 0.0 71.6

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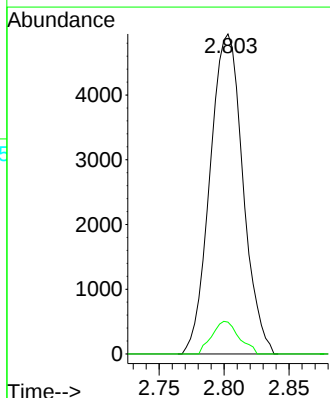
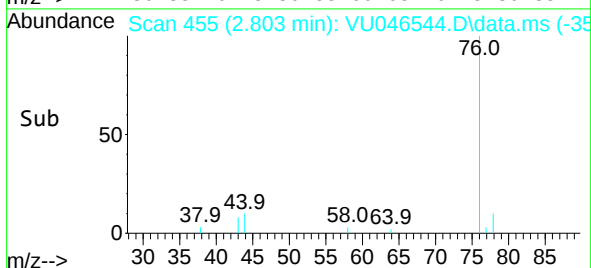
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021

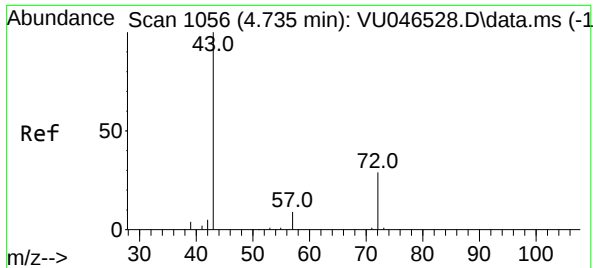


#14
Carbon disulfide
Concen: 0.348 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.013 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45



Tgt Ion: 76 Resp: 8724
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3





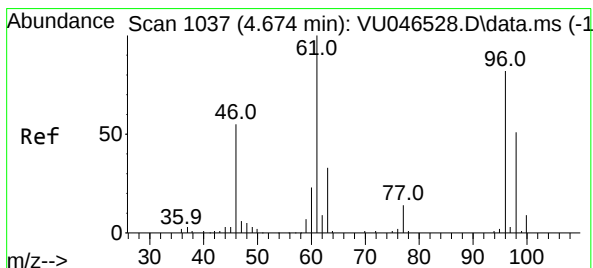
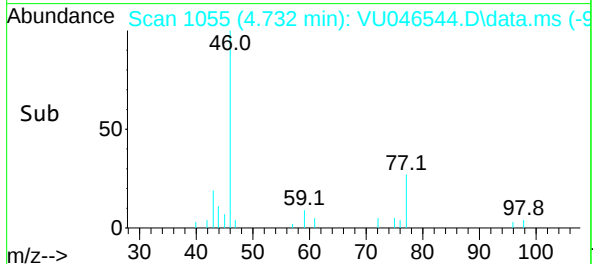
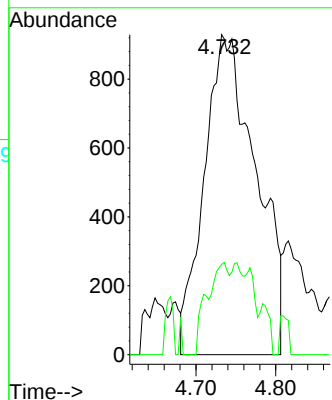
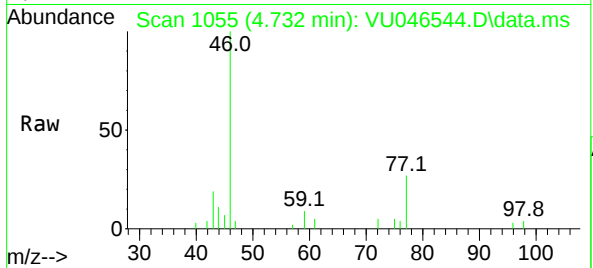
#21
2-Butanone
Concen: 1.481 ug/L m
RT: 4.732 min Scan# 1055
Delta R.T. 0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
72 12.2 14.1 42.3

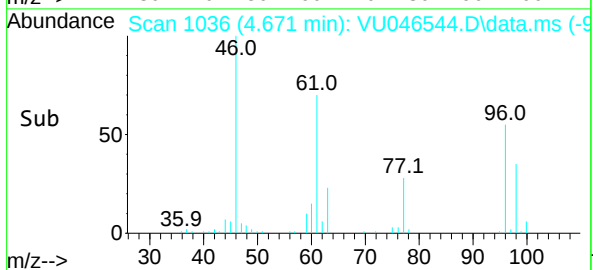
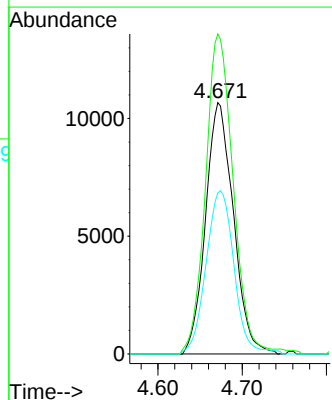
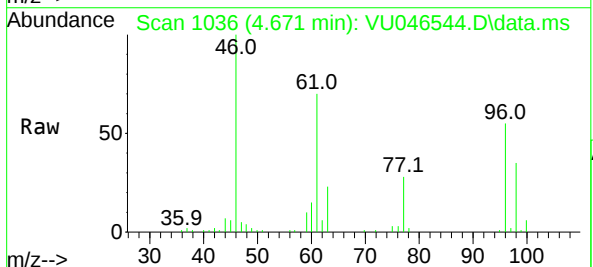
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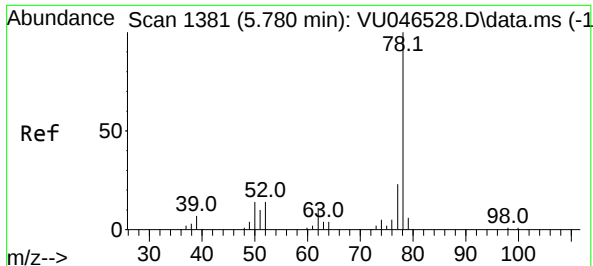
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#22
cis-1,2-Dichloroethene
Concen: 2.744 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Tgt Ion: 96 Resp: 24527
Ion Ratio Lower Upper
96 100
61 127.3 88.5 164.3
98 64.1 44.4 82.5





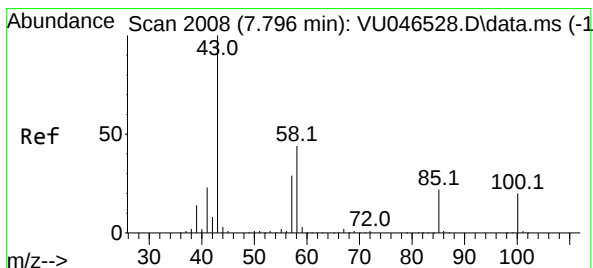
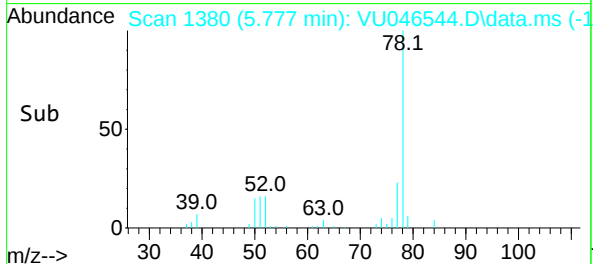
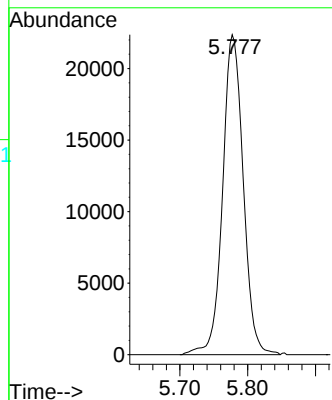
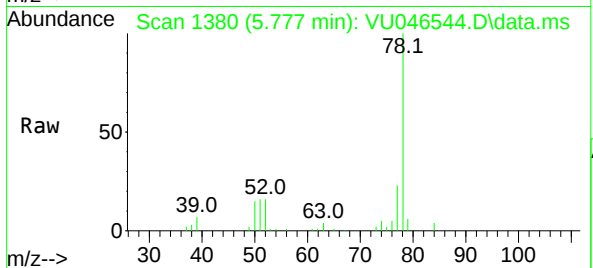
#33
Benzene
Concen: 1.409 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Tgt Ion: 78 Resp: 4733

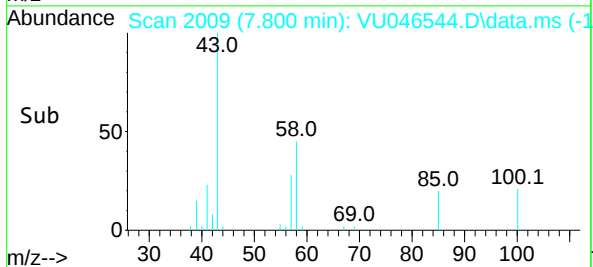
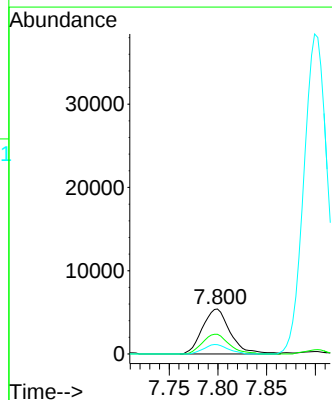
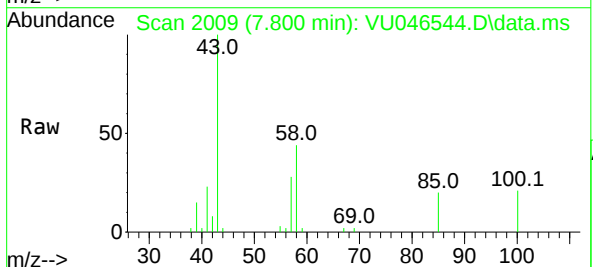
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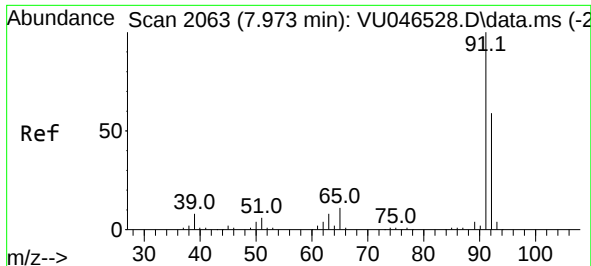
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#40
4-Methyl-2-pentanone
Concen: 1.662 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

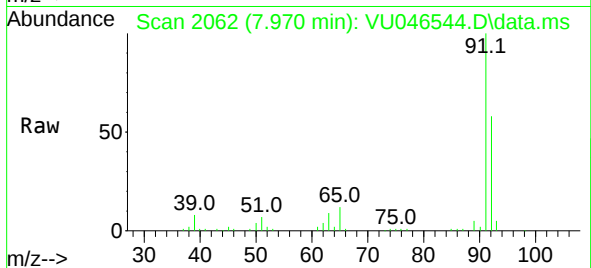
Tgt Ion: 43 Resp: 10694
Ion Ratio Lower Upper
43 100
58 41.9 33.1 49.7
100 0.0 13.2 19.8#





#42
Toluene
Concen: 2.176 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

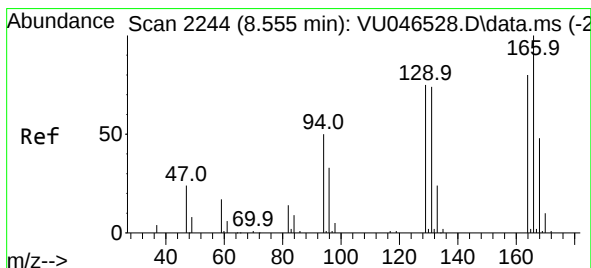
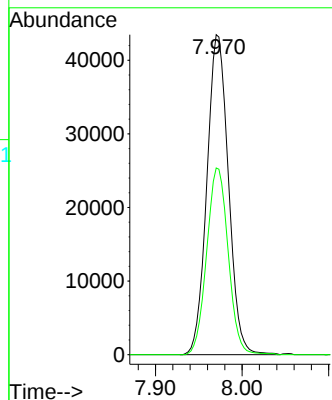
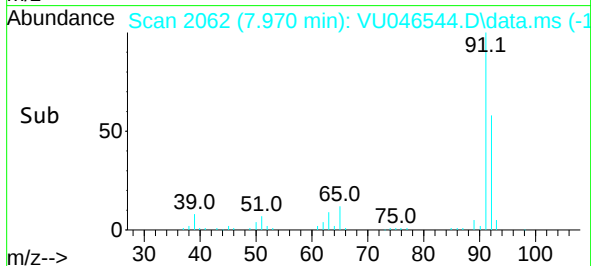
Instrument :
MSVOA_U
ClientSampleId :
H0AO2



Tgt Ion: 91 Resp: 7504
Ion Ratio Lower Upper
91 100
92 58.4 41.3 76.7

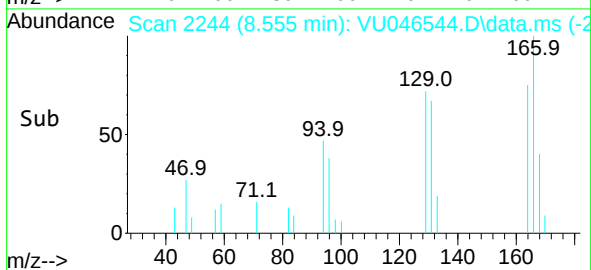
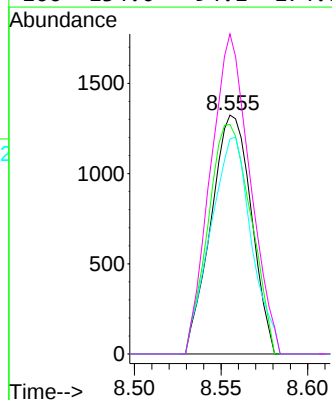
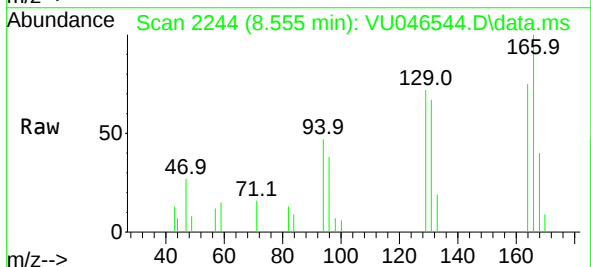
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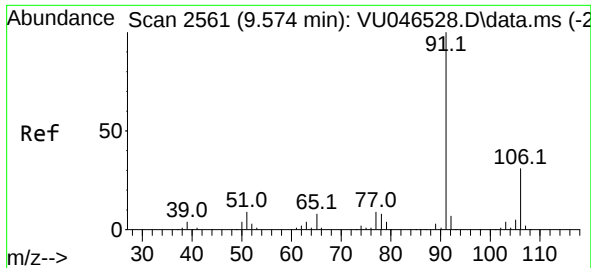
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#47
Tetrachloroethene
Concen: 0.341 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Tgt Ion:164 Resp: 2138
Ion Ratio Lower Upper
164 100
129 96.1 71.8 133.4
131 90.0 68.5 127.3
166 134.0 94.1 174.8





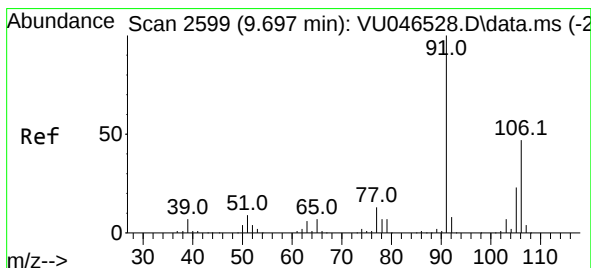
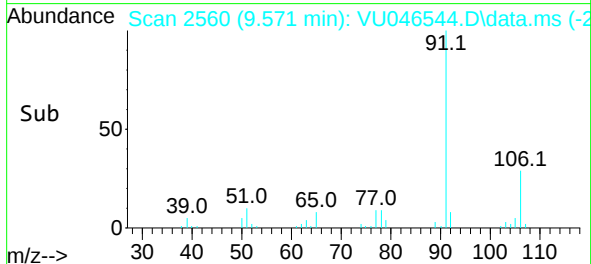
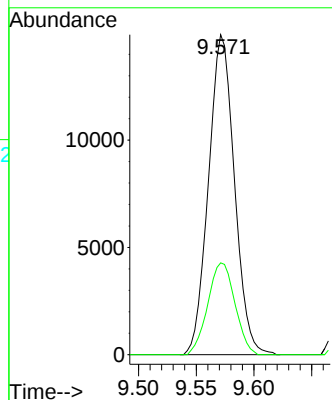
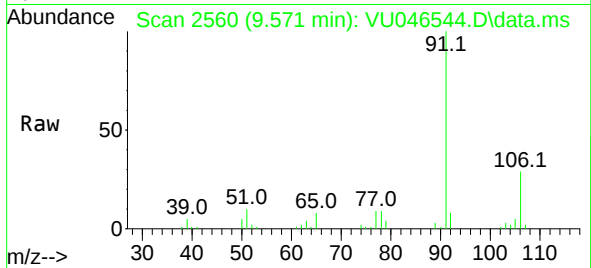
#52
Ethylbenzene
Concen: 0.652 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Tgt Ion: 91 Resp: 2328
Ion Ratio Lower Upper
91 100
106 28.7 21.5 39.9

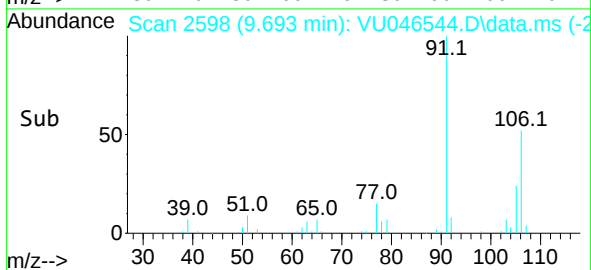
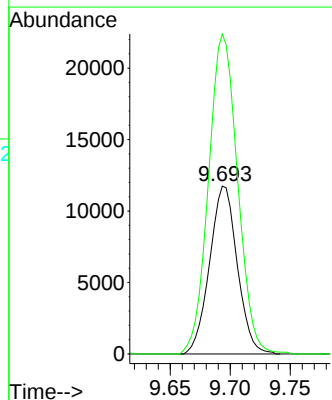
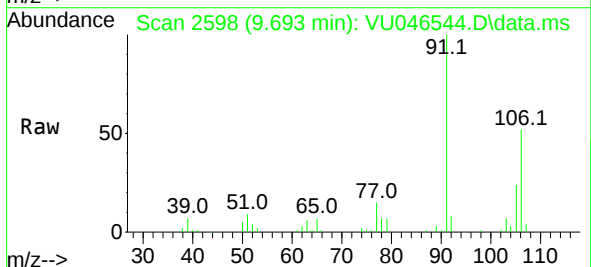
Manual Integrations
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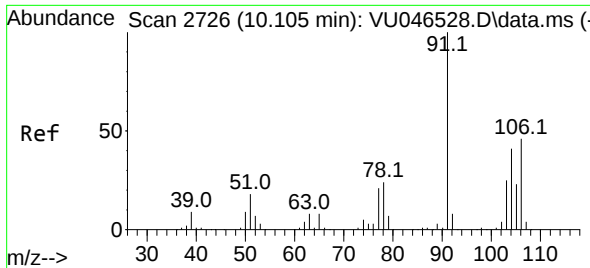
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#53
m,p-Xylene
Concen: 1.376 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Tgt Ion:106 Resp: 18826
Ion Ratio Lower Upper
106 100
91 190.6 139.4 259.0





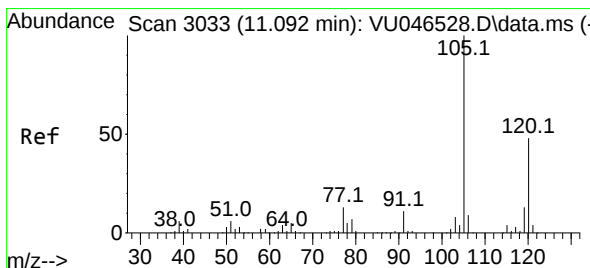
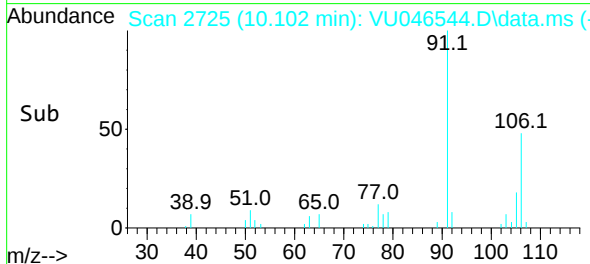
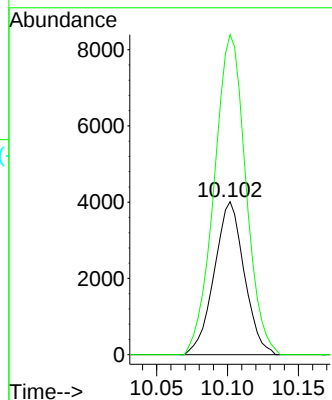
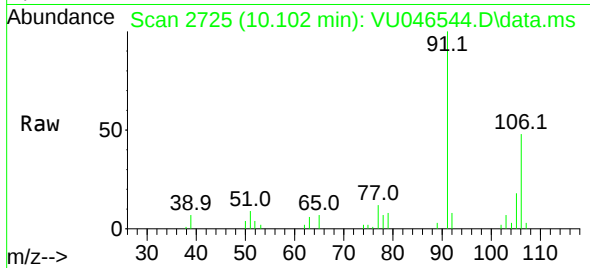
#54
o-Xylene
Concen: 0.450 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

Instrument :
MSVOA_U
ClientSampleId :
H0AO2

Tgt Ion:106 Resp: 591
Ion Ratio Lower Upper
106 100
91 209.1 147.5 273.9

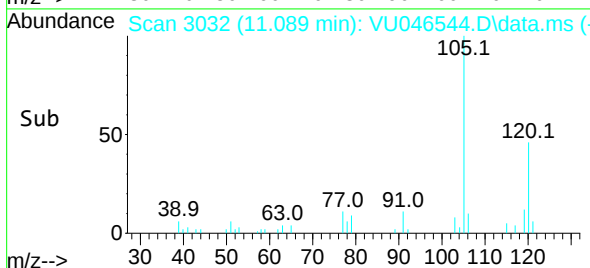
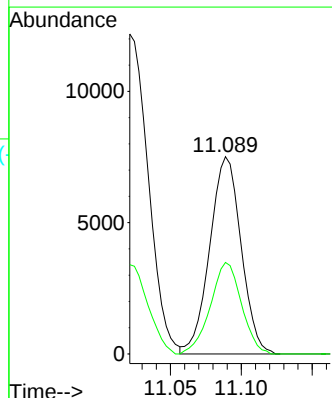
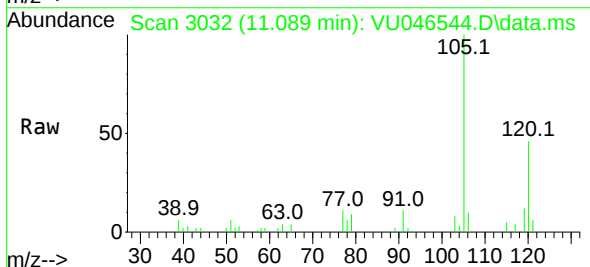
Manual Integrations
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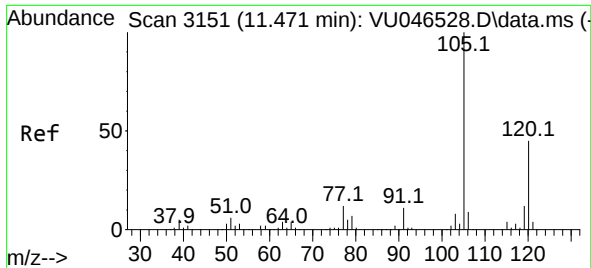
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#62
1,3,5-Trimethylbenzene
Concen: 0.416 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046544.D
Acq: 21 Dec 2021 23:45

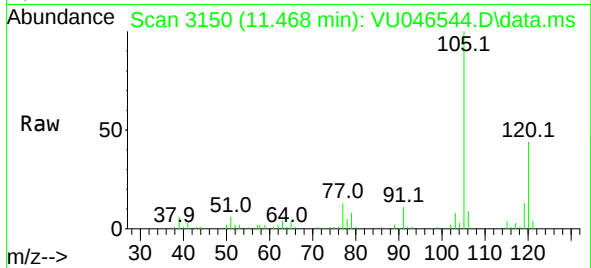
Tgt Ion:105 Resp: 11554
Ion Ratio Lower Upper
105 100
120 46.0 38.3 57.5





#63
 1,2,4-Trimethylbenzene
 Concen: 2.072 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046544.D
 Acq: 21 Dec 2021 23:45

Instrument : MSVOA_U
 ClientSampleId : H0AO2



Tgt Ion:105 Resp: 57950
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.8 53.8

Manual Integrations
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