

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046261.D
 Acq On : 10 Dec 2021 13:18
 Operator : SY/MD
 Sample : M4943-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/15/2021

Quant Time: Dec 10 22:24:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	205101	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	220840	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	143548	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	76770	45.439	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	90.880%	
7) Chloroethane-d5	1.916	69	60188	46.398	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	92.800%	
11) 1,1-Dichloroethene-d2	2.568	63	117966	38.894	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	77.780%	
21) 2-Butanone-d5	4.732	46	136269m	101.460	ug/L	0.09
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.460%	
24) Chloroform-d	5.070	84	141689	50.219	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.440%	
26) 1,2-Dichloroethane-d4	5.706	65	104789	55.342	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.680%	
32) Benzene-d6	5.732	84	322846	51.005	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	102.020%	
36) 1,2-Dichloropropane-d6	6.697	67	102181	52.089	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	104.180%	
41) Toluene-d8	7.899	98	299187	51.914	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	103.820%	
43) trans-1,3-Dichloroprop...	8.182	79	52793	55.750	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	111.500%	
47) 2-Hexanone-d5	8.642	63	120664	129.732	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	129.730%	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	182640	61.393	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	122.780%#	
66) 1,2-Dichlorobenzene-d4	12.198	152	141091	51.037	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	102.080%	
Target Compounds						Qvalue
13) Acetone	2.829	43	223886m	133.380	ug/L	
20) cis-1,2-Dichloroethene	4.674	96	9399	5.772	ug/L	98
25) Chloroform	5.096	83	20963	6.914	ug/L	97
29) Cyclohexane	5.372	56	5253	2.043	ug/L #	36
33) Benzene	5.780	78	96776	14.479	ug/L	100
35) Methylcyclohexane	6.764	83	14391	5.271	ug/L	90
40) 4-Methyl-2-pentanone	7.800	43	3451	1.341	ug/L	98
42) Toluene	7.973	91	1420982	198.127	ug/L	99
51) Chlorobenzene	9.449	112	38915	8.387	ug/L	97
52) Ethylbenzene	9.574	91	3682134	477.040	ug/L	99
53) m,p-Xylene	9.700	106	4032671	1339.674	ug/L	100
54) o-xylene	10.105	106	1393111	476.950	ug/L	99
61) Isopropylbenzene	10.488	105	608132	65.112	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	1769156	227.256	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	5907100	758.424	ug/L	100
67) 1,2-Dichlorobenzene	12.217	146	62078	13.895	ug/L #	80
70) 1,2,4-trichlorobenzene	13.844	180	34408	11.995	ug/L #	72

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

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

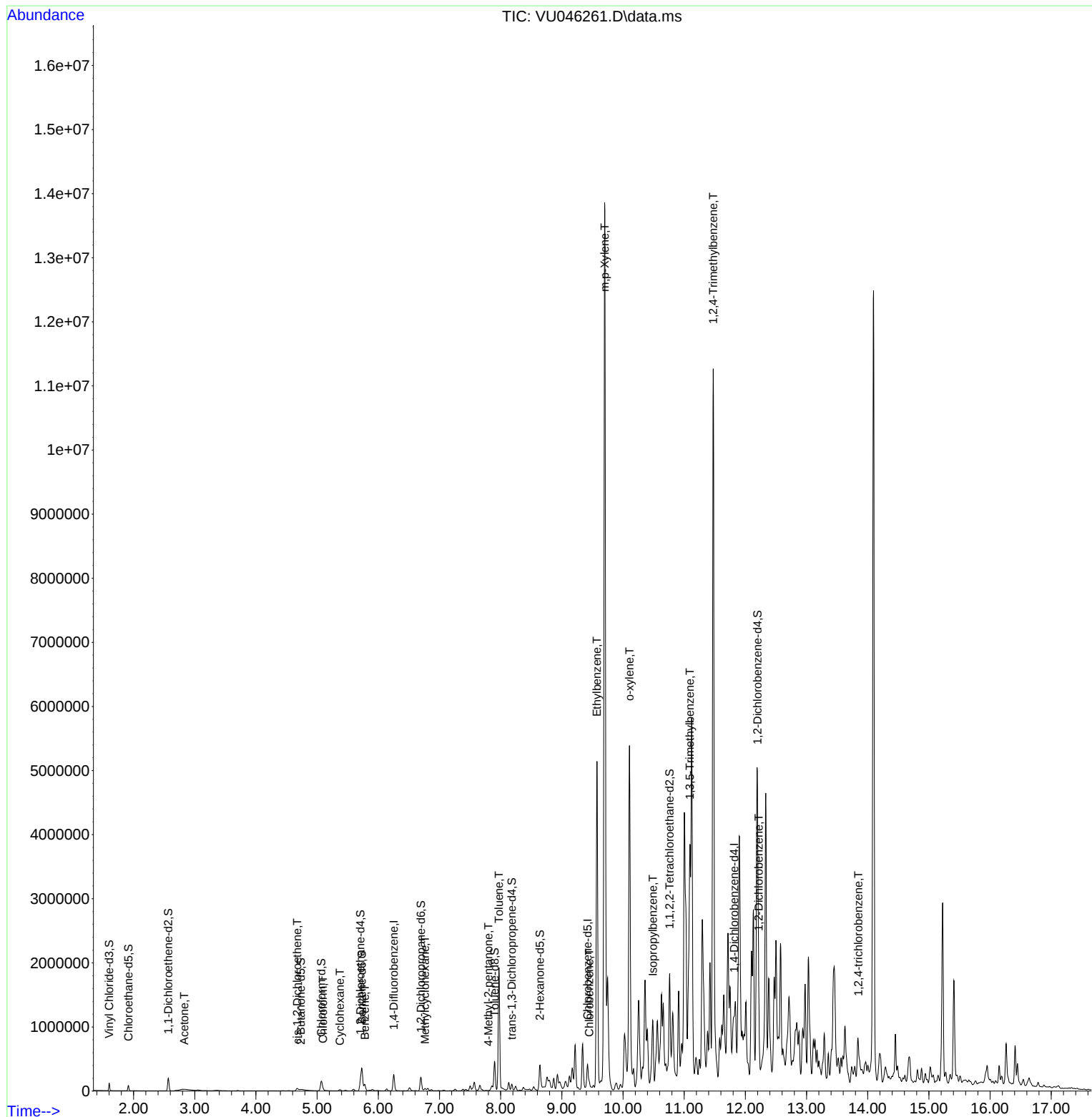
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
Data File : VU046261.D
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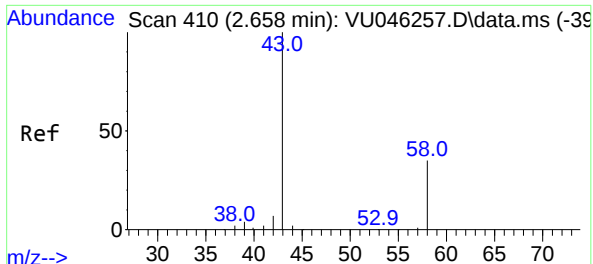
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
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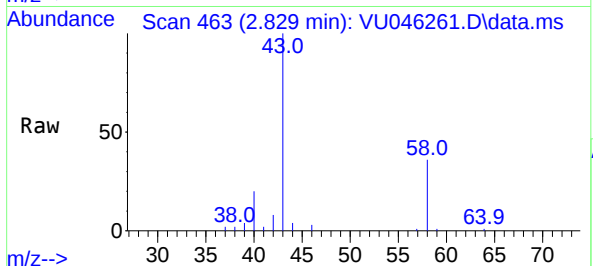
Reviewed By :Mahesh Dadoda 12/15/2021
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#13
Acetone
Concen: 133.380 ug/L m
RT: 2.829 min Scan# 410
Delta R.T. 0.167 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

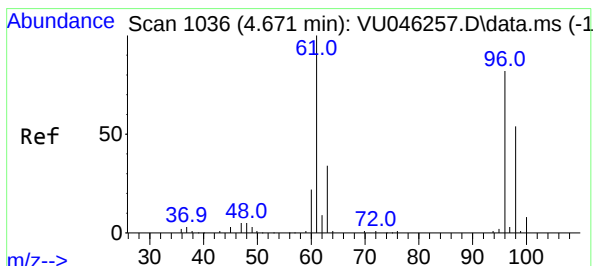
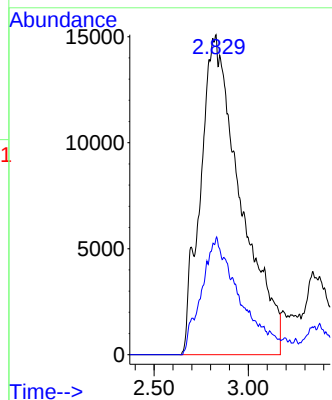
Instrument :
MSVOA_U
ClientSampleId :
BGKQ1



Tgt Ion: 43 Resp: 22388
Ion Ratio Lower Upper
43 100
58 1.8 0.0 66.8

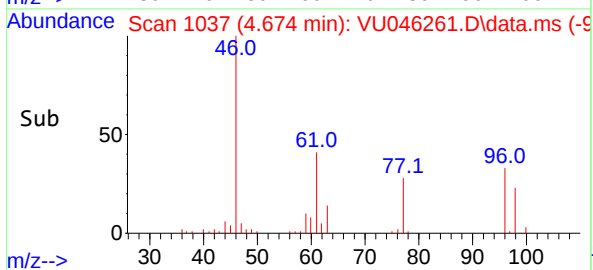
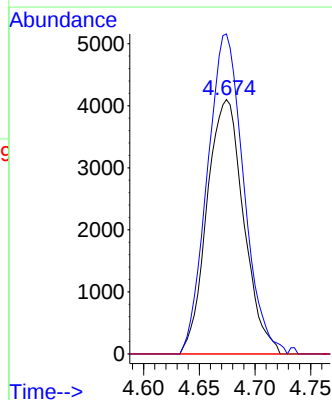
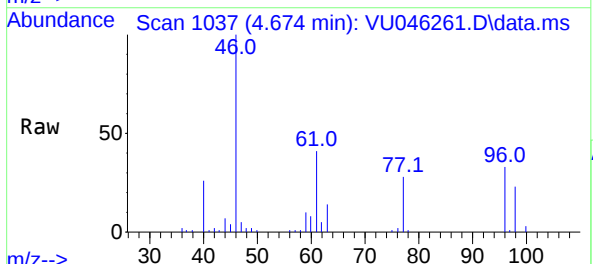
Manual Integrations
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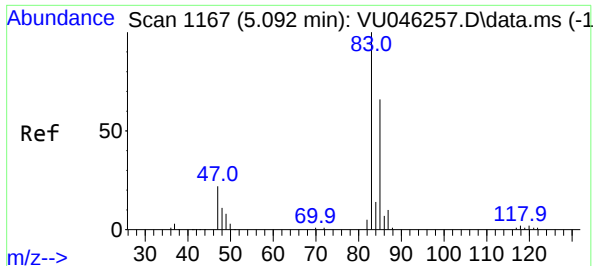
Reviewed By :Mahesh Dadoda 12/15/2021
Supervised By :Semsettin Yesilyurt 12/15/2021



#20
cis-1,2-Dichloroethene
Concen: 5.772 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

Tgt Ion: 96 Resp: 9399
Ion Ratio Lower Upper
96 100
61 125.8 86.8 161.2
68 0.0 0.0 0.0





#25

Chloroform

Concen: 6.914 ug/L

RT: 5.096 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

BGKQ1

Tgt Ion: 83 Resp: 2096

Ion Ratio Lower Upper

83 100

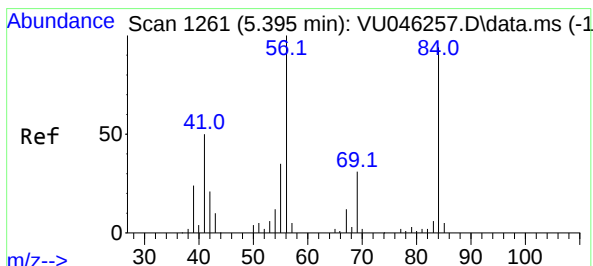
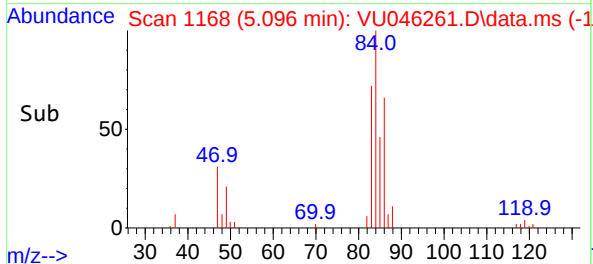
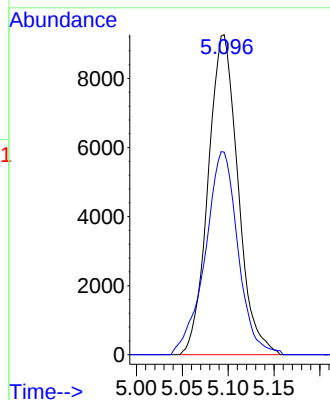
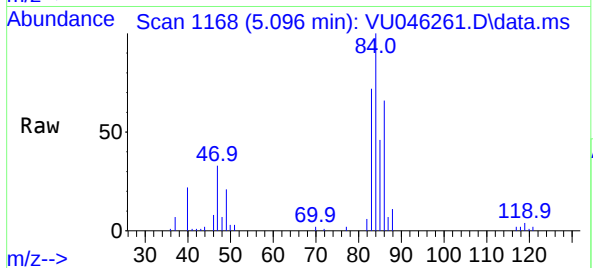
85 63.3 45.8 85.2

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#29

Cyclohexane

Concen: 2.043 ug/L

RT: 5.372 min Scan# 1254

Delta R.T. -0.023 min

Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

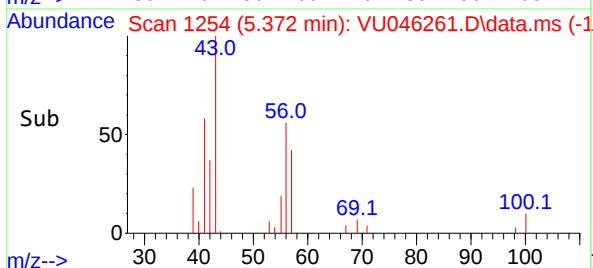
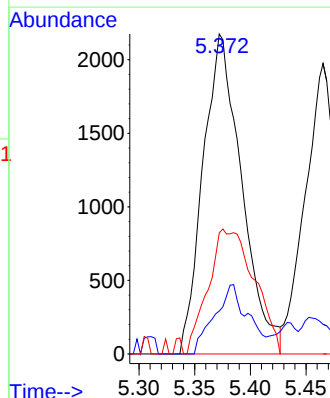
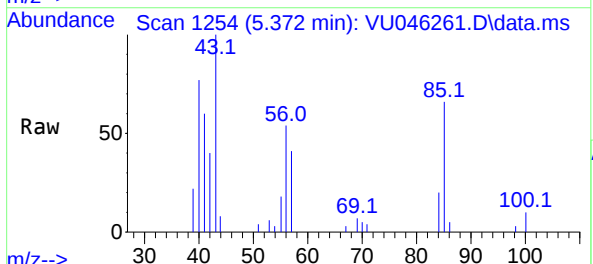
Tgt Ion: 56 Resp: 5253

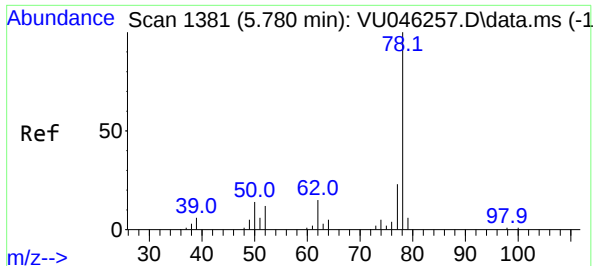
Ion Ratio Lower Upper

56 100

69 14.6 25.2 37.8#

84 19.8 73.3 109.9#





Benzene

Concen: 14.479 ug/L

RT: 5.780 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

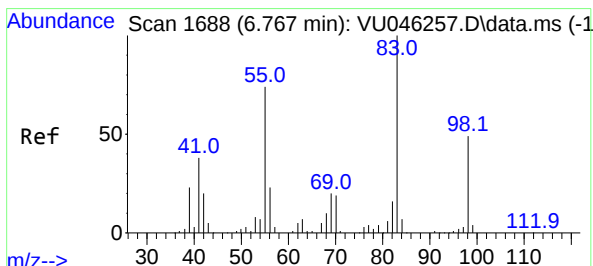
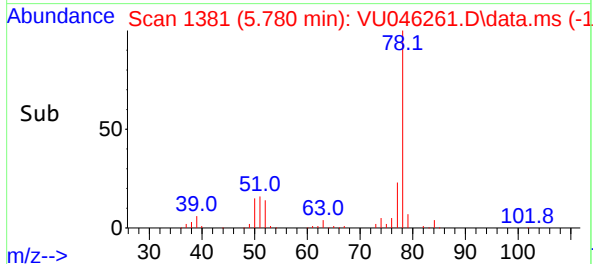
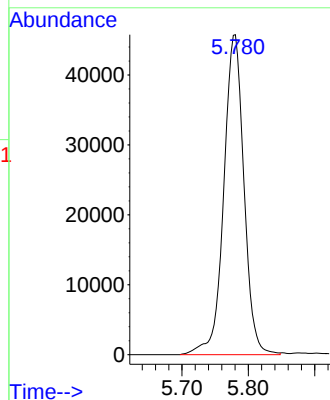
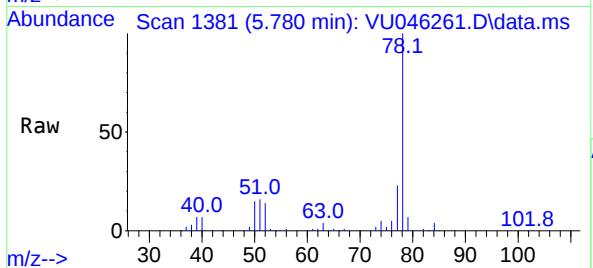
BGKQ1

Tgt Ion: 78 Resp: 96770

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/15/2021



Methylcyclohexane

Concen: 5.271 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

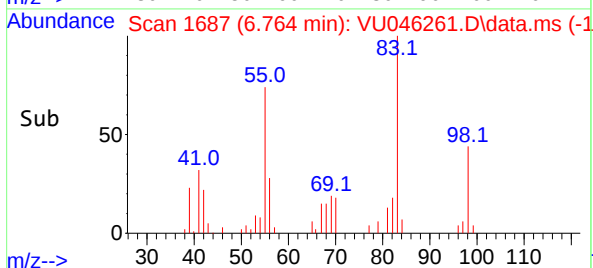
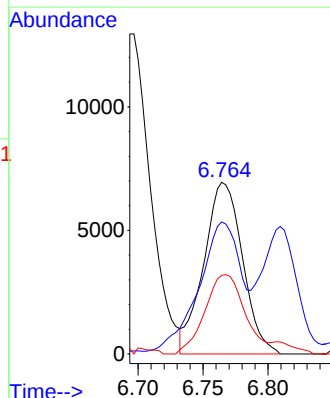
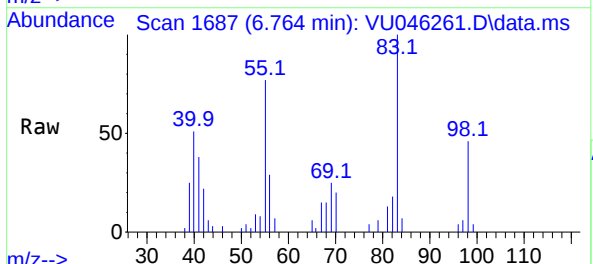
Tgt Ion: 83 Resp: 14391

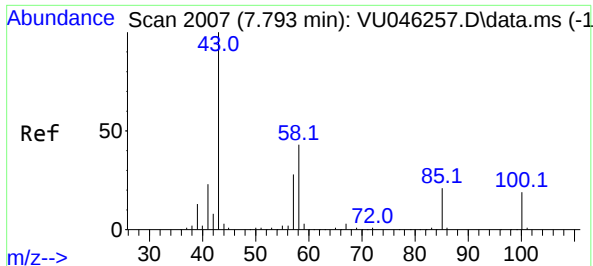
Ion Ratio Lower Upper

83 100

55 85.0 57.8 86.6

98 47.3 38.4 57.6





#40

4-Methyl-2-pentanone

Concen: 1.341 ug/L

RT: 7.800 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

Instrument :

MSVOA_U

ClientSampleId :

BGKQ1

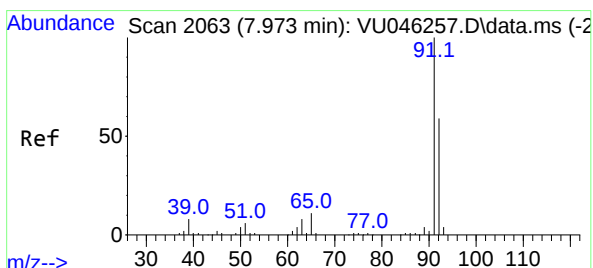
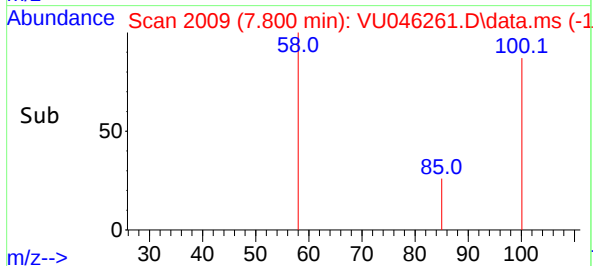
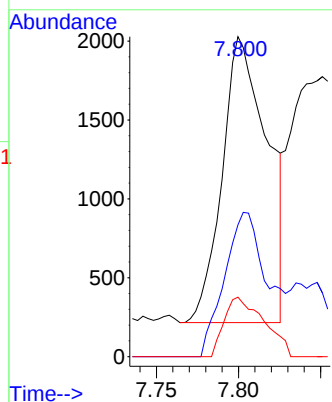
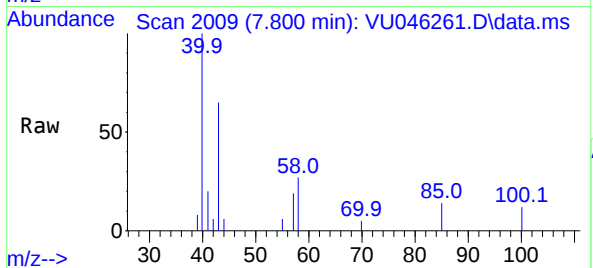
Tgt Ion: 43 Resp: 345

Ion	Ratio	Lower	Upper
43	100		
58	41.6	34.2	51.4
100	18.5	14.5	21.7

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#42

Toluene

Concen: 198.127 ug/L

RT: 7.973 min Scan# 2063

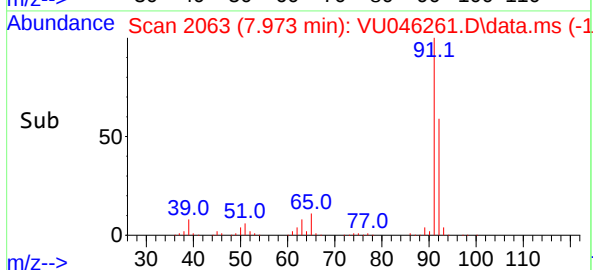
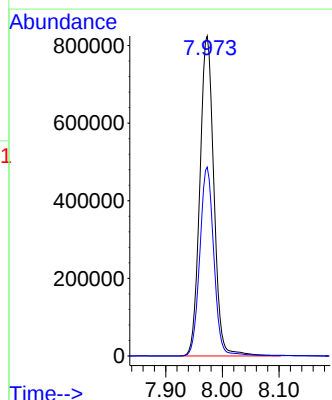
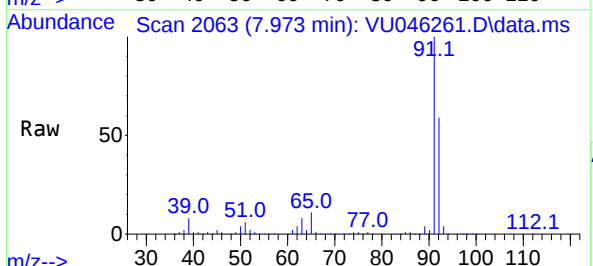
Delta R.T. -0.000 min

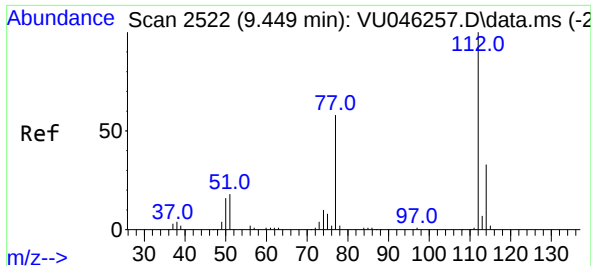
Lab File: VU046261.D

Acq: 10 Dec 2021 13:18

Tgt Ion: 91 Resp: 1420982

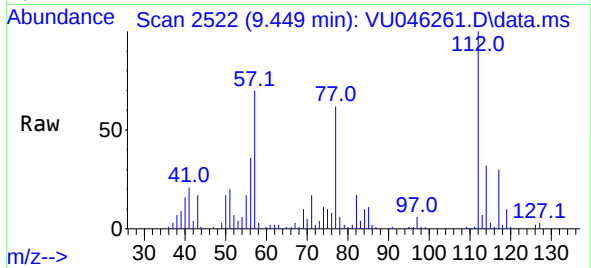
Ion	Ratio	Lower	Upper
91	100		
92	59.0	41.9	77.7





#51
Chlorobenzene
Concen: 8.387 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

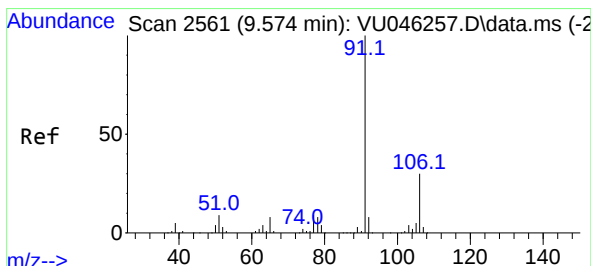
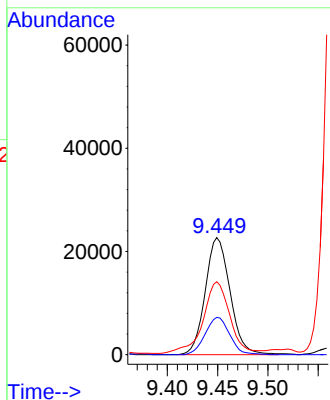
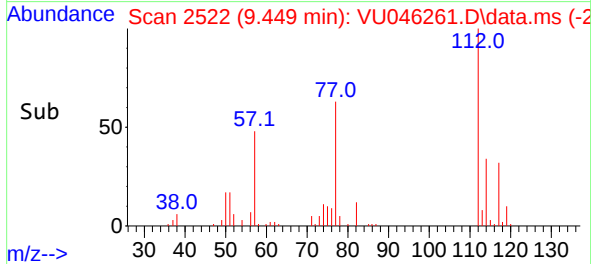
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MSVOA_U
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Tgt Ion:112 Resp: 38915
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 62.3 47.4 71.0

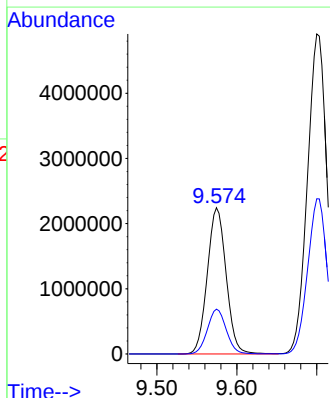
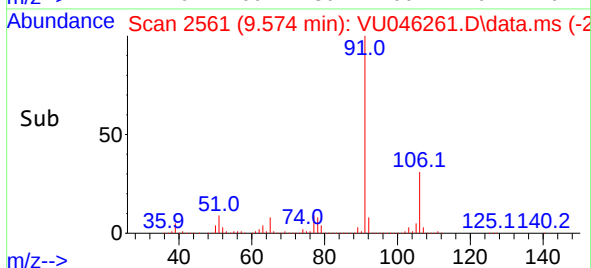
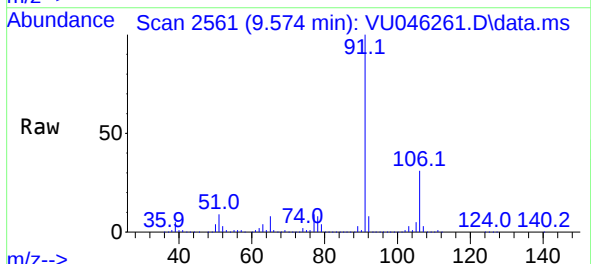
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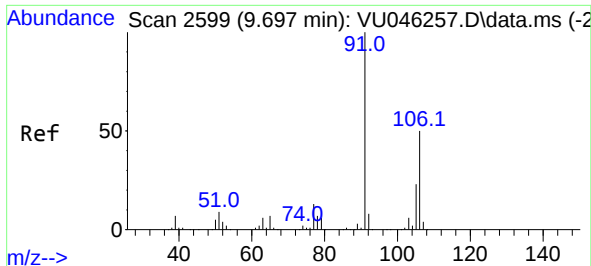
Reviewed By :Mahesh Dadoda 12/15/2021
Supervised By :Semsettin Yesilyurt 12/15/2021



#52
Ethylbenzene
Concen: 477.040 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

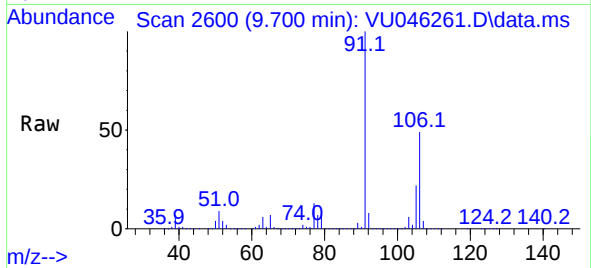
Tgt Ion: 91 Resp: 3682134
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.3





#53
m,p-Xylene
Concen: 1339.674 ug/L
RT: 9.700 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

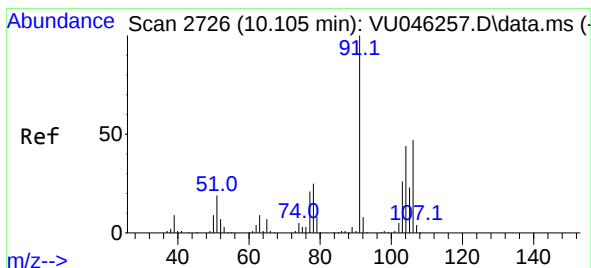
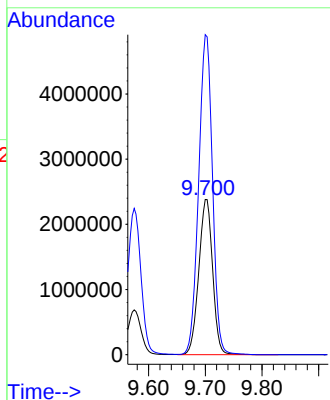
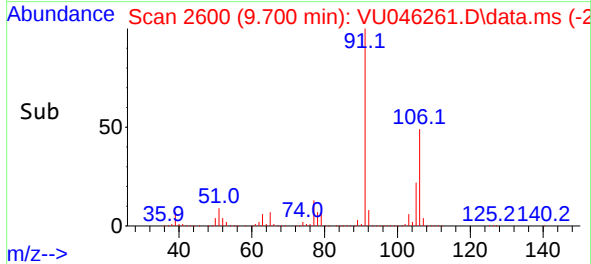
Instrument :
MSVOA_U
ClientSampleId :
BGKQ1



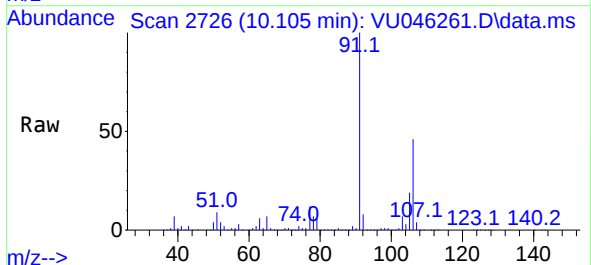
Tgt Ion:106 Resp: 403267
Ion Ratio Lower Upper
106 100
91 206.1 144.3 268.1

Manual Integrations
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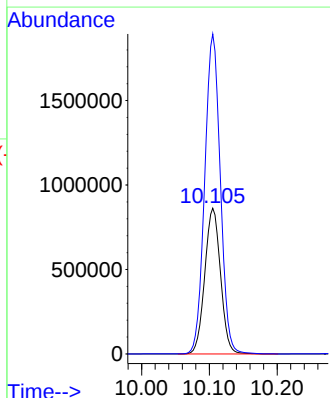
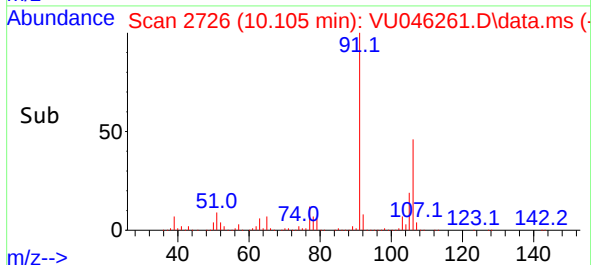
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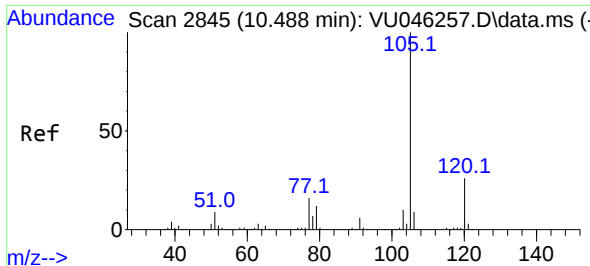


#54
o-xylene
Concen: 476.950 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18



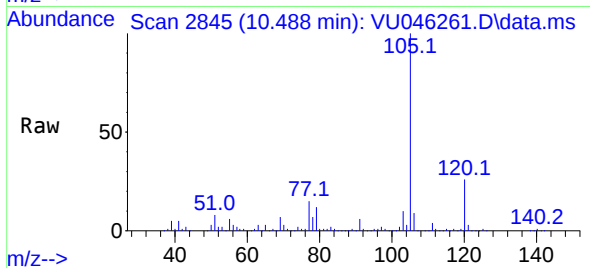
Tgt Ion:106 Resp: 1393111
Ion Ratio Lower Upper
106 100
91 219.5 154.2 286.4





#61
Isopropylbenzene
Concen: 65.112 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

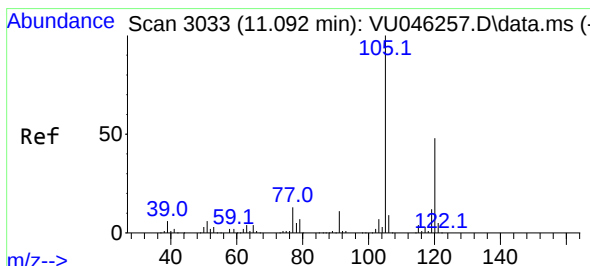
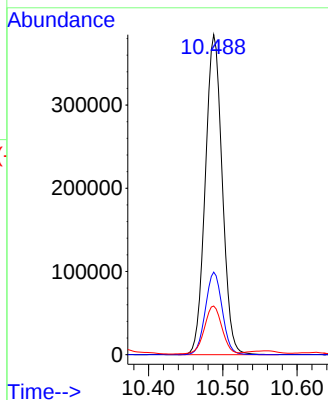
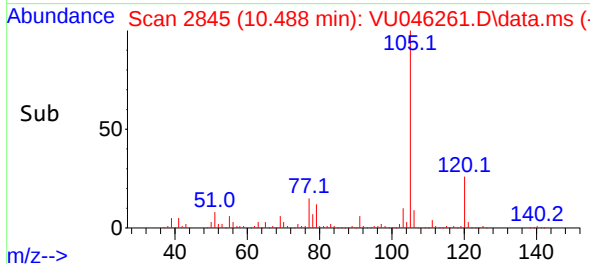
Instrument :
MSVOA_U
ClientSampleId :
BGKQ1



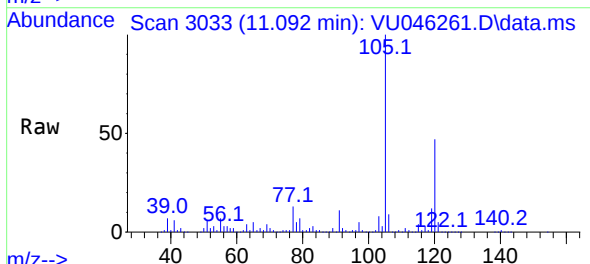
Tgt Ion:105 Resp: 60813
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.4 12.2 18.4

Manual Integrations
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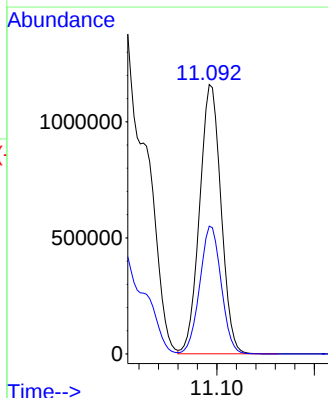
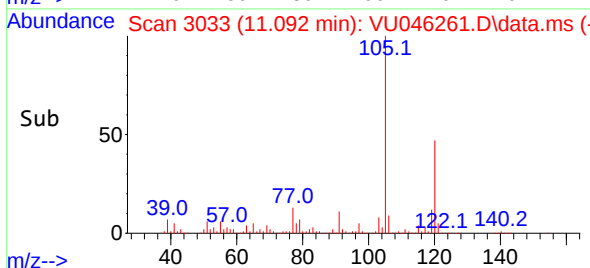
Reviewed By :Mahesh Dadoda 12/15/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

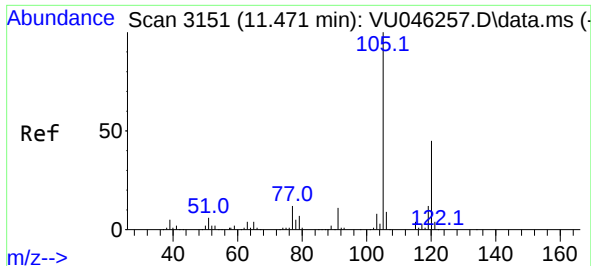


#62
1,3,5-Trimethylbenzene
Concen: 227.256 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18



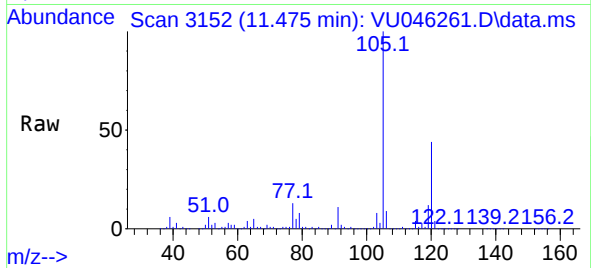
Tgt Ion:105 Resp: 1769156
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.6





#63
1,2,4-Trimethylbenzene
Concen: 758.424 ug/L
RT: 11.475 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18

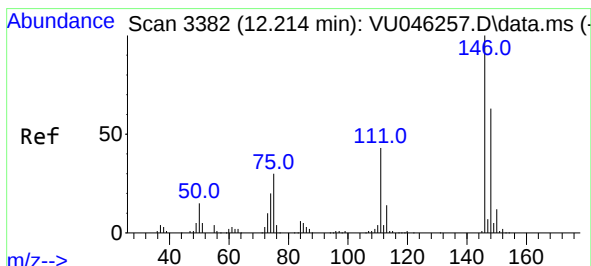
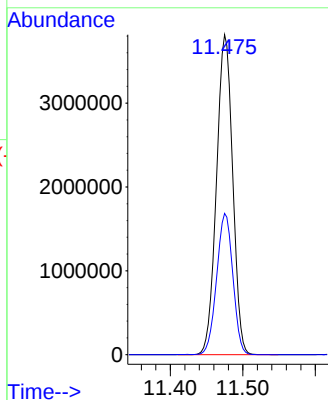
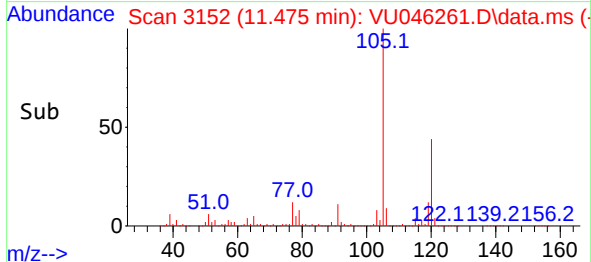
Instrument :
MSVOA_U
ClientSampleId :
BGKQ1



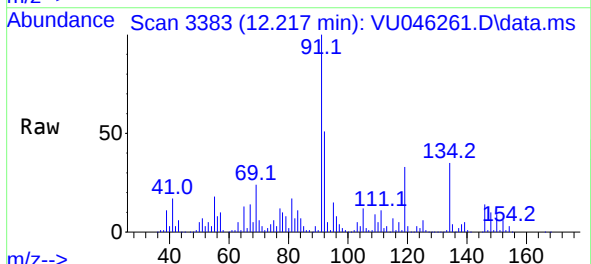
Tgt Ion:105 Resp: 5907100
Ion Ratio Lower Upper
105 100
120 44.2 35.2 52.8

Manual Integrations
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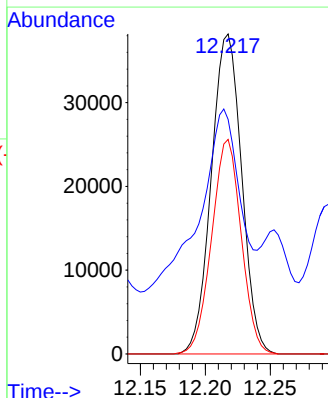
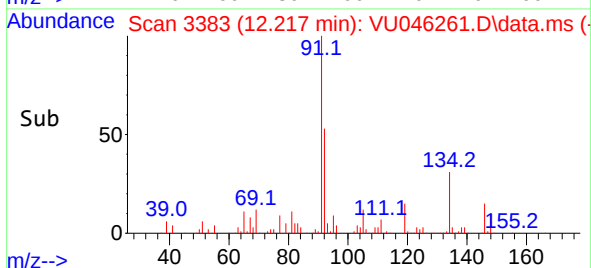
Reviewed By :Mahesh Dadoda 12/15/2021
Supervised By :Semsettin Yesilyurt 12/15/2021

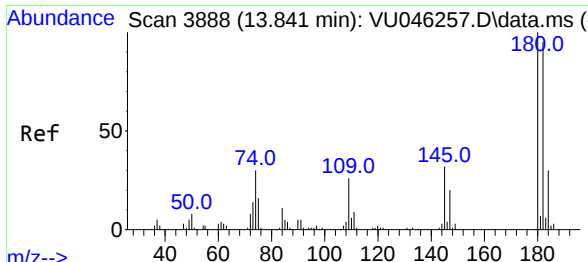


#67
1,2-Dichlorobenzene
Concen: 13.895 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU046261.D
Acq: 10 Dec 2021 13:18



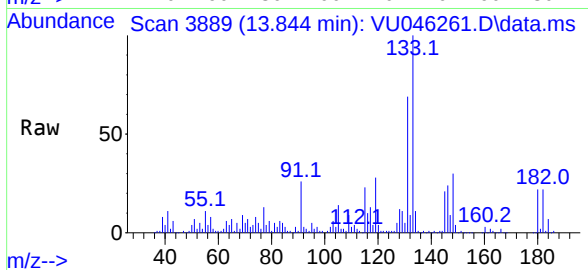
Tgt Ion:146 Resp: 62078
Ion Ratio Lower Upper
146 100
111 73.3 35.7 53.5#
148 67.0 51.2 76.8





#70
 1,2,4-trichlorobenzene
 Concen: 11.995 ug/L
 RT: 13.844 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU046261.D
 Acq: 10 Dec 2021 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ1



Tgt Ion:180 Resp: 34408
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.7 115.1
 145 94.2 26.0 39.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/15/2021

