

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046170.D
 Acq On : 08 Dec 2021 13:00
 Operator : SY/MD
 Sample : M4960-04
 Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKR9

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2021
 Supervised By : Mahesh Dadoda 12/09/2021

Quant Time: Dec 09 03:19:34 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	238892	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	234222	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	119230	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68191	34.652	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.300%		
7) Chloroethane-d5	1.919	69	43773	28.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	57.940%#		
11) 1,1-Dichloroethene-d2	2.549	63	57129	16.172	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	32.340%#		
21) 2-Butanone-d5	4.671	46	106575	68.127	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	68.130%		
24) Chloroform-d	5.076	84	119287	36.299	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	72.600%		
26) 1,2-Dichloroethane-d4	5.710	65	85830	38.917	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.840%		
32) Benzene-d6	5.726	84	271646	40.464	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.920%		
36) 1,2-Dichloropropane-d6	6.697	67	85496	41.093	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.180%		
41) Toluene-d8	7.902	98	255508	41.802	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.600%		
43) trans-1,3-Dichloroprop...	8.185	79	41603	41.423	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.840%		
47) 2-Hexanone-d5	8.697	63	94952	96.255	ug/L	0.06
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.260%		
56) 1,1,2,2-Tetrachloroeth...	10.777	84	124095	39.330	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.660%		
66) 1,2-Dichlorobenzene-d4	12.201	152	98279	42.802	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.600%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.674	96	11365	5.992	ug/L	96
27) 1,2-Dichloroethane	5.806	62	2046	0.781	ug/L #	73
33) Benzene	5.771	78	50743	7.158	ug/L	100
35) Methylcyclohexane	6.761	83	3317m	1.145	ug/L	
42) Toluene	7.973	91	347688	45.708	ug/L	100
46) Tetrachloroethene	8.558	164	3519	2.564	ug/L	96
51) Chlorobenzene	9.459	112	32839	6.673	ug/L	94
52) Ethylbenzene	9.581	91	239225	29.222	ug/L	98
53) m,p-Xylene	9.703	106	346687	108.591	ug/L	98
54) o-xylene	10.111	106	97094	31.342	ug/L	99
55) Styrene	10.134	104	61869	11.698	ug/L	100
61) Isopropylbenzene	10.494	105	103809	13.382	ug/L	99
62) 1,3,5-Trimethylbenzene	11.099	105	136706	21.142	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	405309	62.652	ug/L	99
65) 1,4-Dichlorobenzene	11.848	146	6727	1.766	ug/L #	75
67) 1,2-Dichlorobenzene	12.221	146	54776	14.761	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	11662	4.895	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.333	180	4071	1.676	ug/L #	62

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

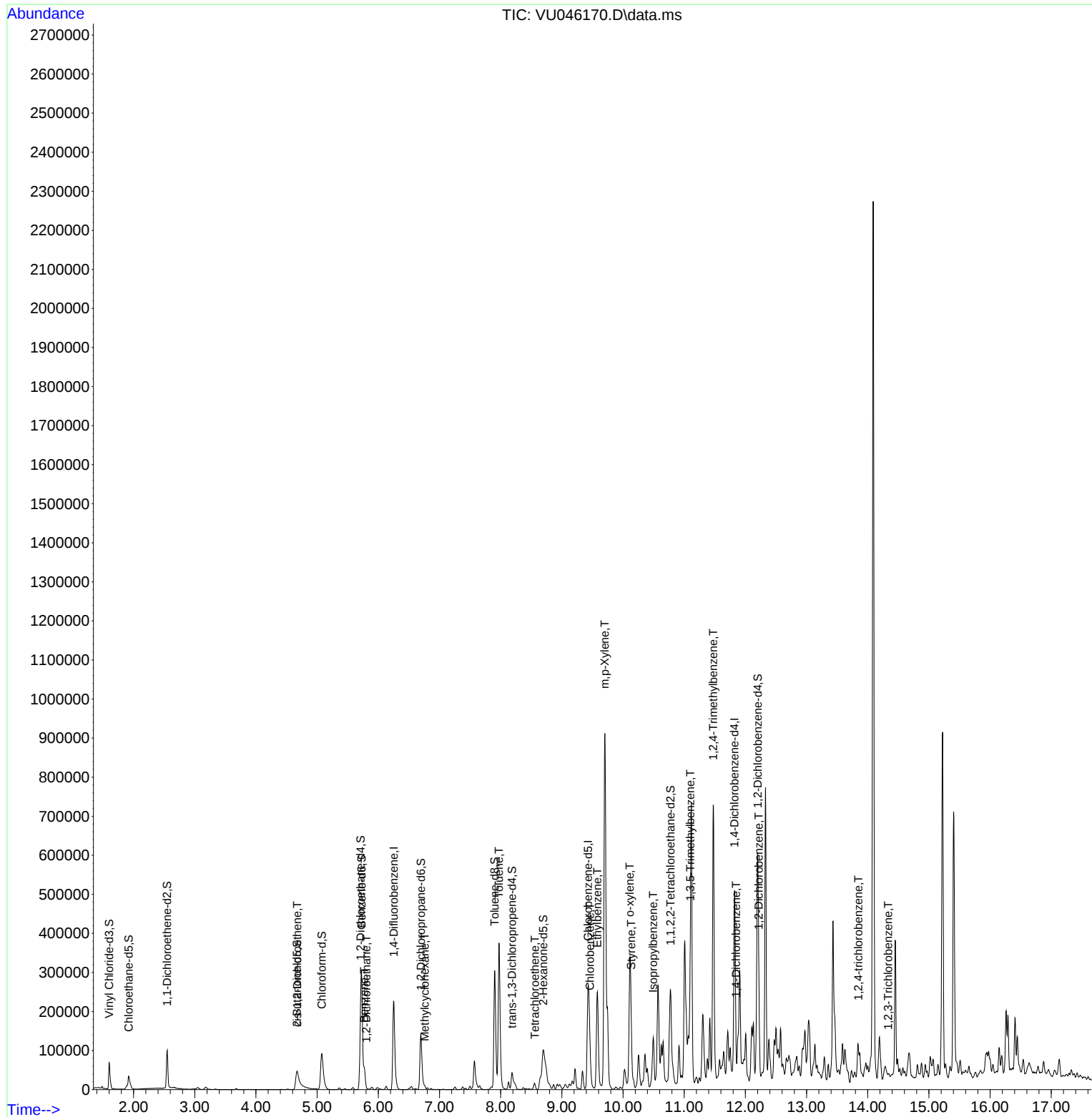
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
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Sample : M4960-04
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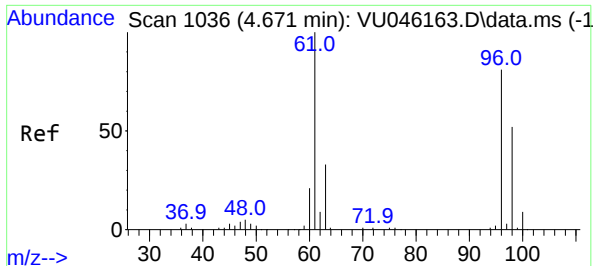
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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

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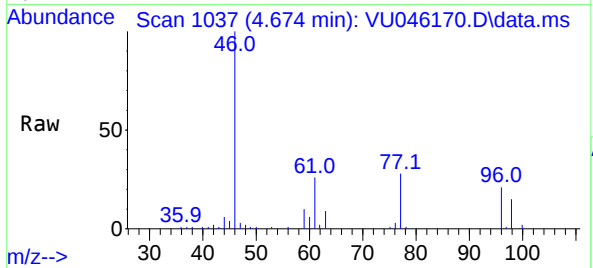
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021





#20
 cis-1,2-Dichloroethene
 Concen: 5.992 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU046170.D
 Acq: 08 Dec 2021 13:00

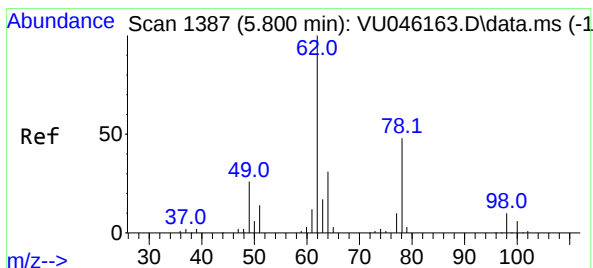
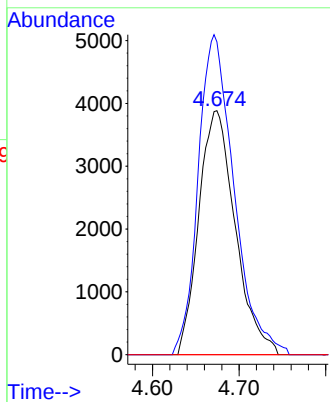
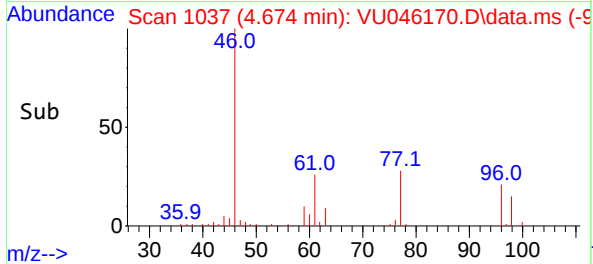
Instrument : MSVOA_U
 ClientSampleId : BGKR9



Tgt Ion: 96 Resp: 1136
 Ion Ratio Lower Upper
 96 100
 61 128.2 86.8 161.2
 68 0.0 0.0 0.0

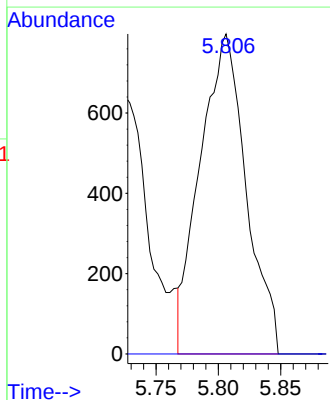
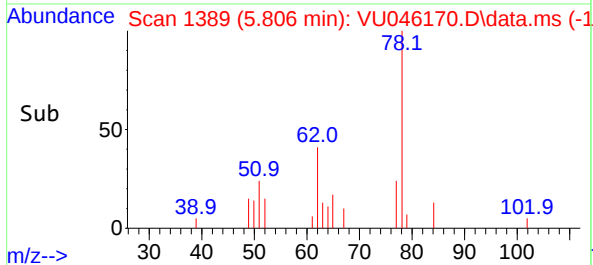
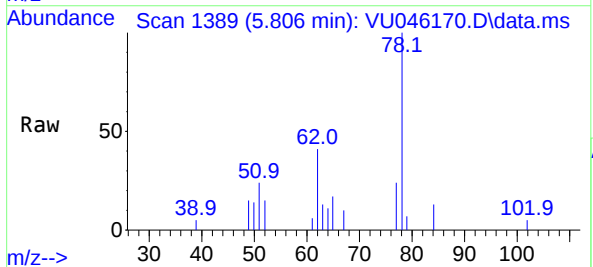
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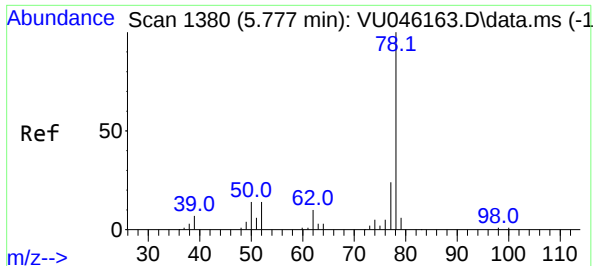
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#27
 1,2-Dichloroethane
 Concen: 0.781 ug/L
 RT: 5.806 min Scan# 1389
 Delta R.T. 0.006 min
 Lab File: VU046170.D
 Acq: 08 Dec 2021 13:00

Tgt Ion: 62 Resp: 2046
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#





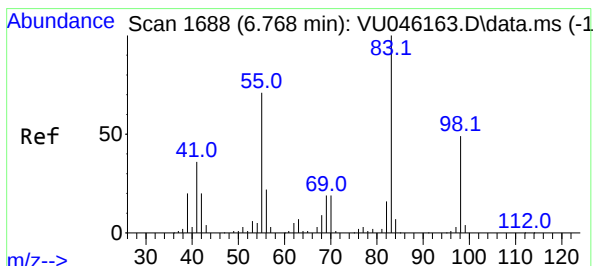
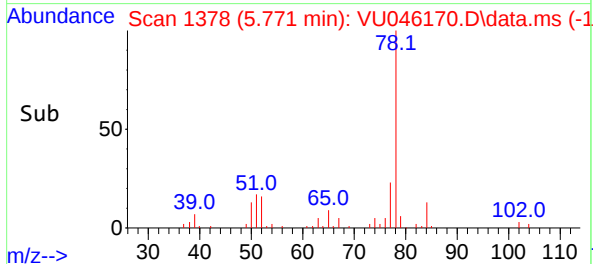
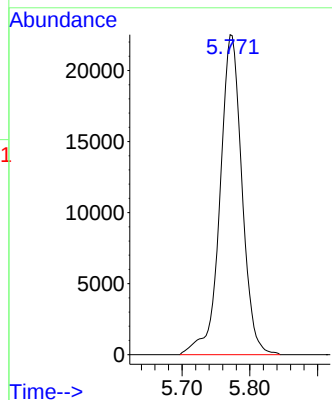
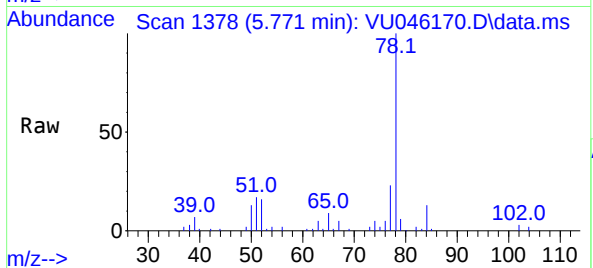
#33
Benzene
Concen: 7.158 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion: 78 Resp: 5074

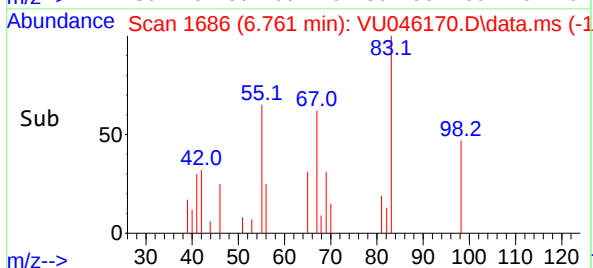
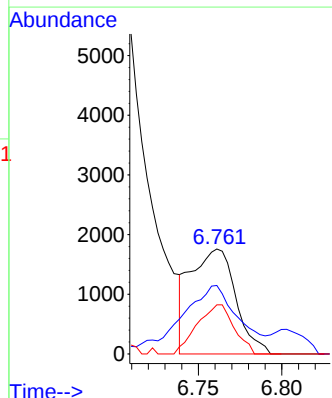
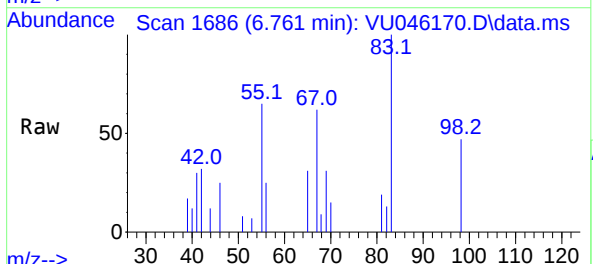
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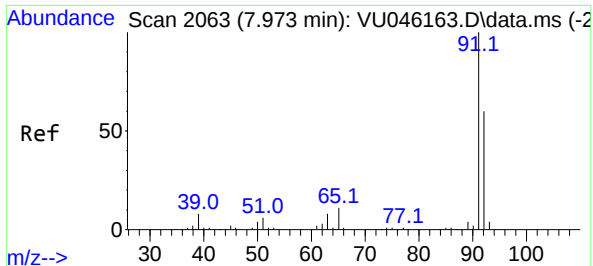
Reviewed By :John Carlone 12/09/2021
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#35
Methylcyclohexane
Concen: 1.145 ug/L m
RT: 6.761 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion: 83 Resp: 3317
Ion Ratio Lower Upper
83 100
55 2.9 57.8 86.6#
98 4.5 38.4 57.6#





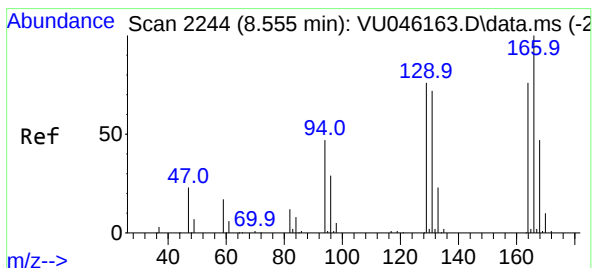
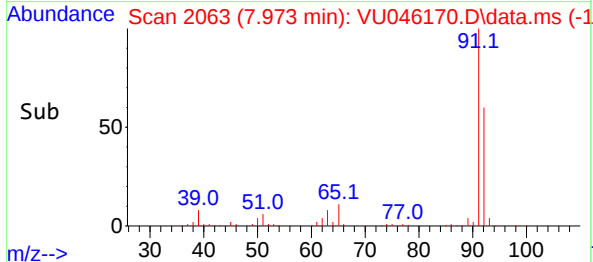
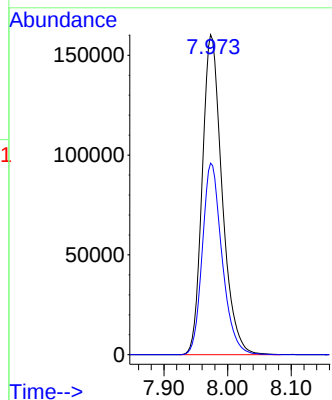
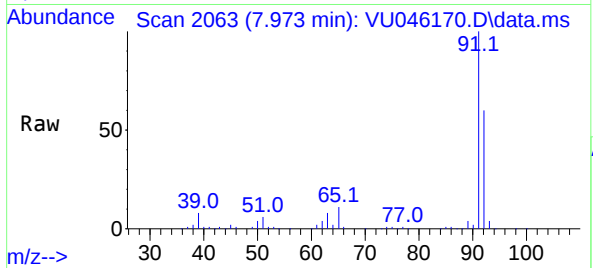
#42
Toluene
Concen: 45.708 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion: 91 Resp: 34768
Ion Ratio Lower Upper
91 100
92 59.8 41.9 77.7

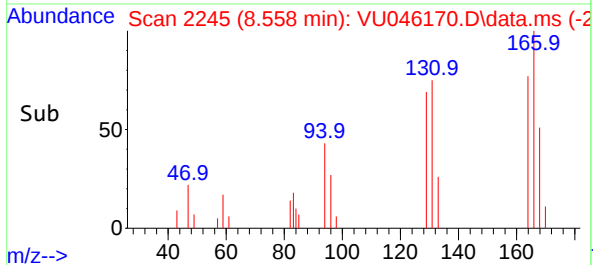
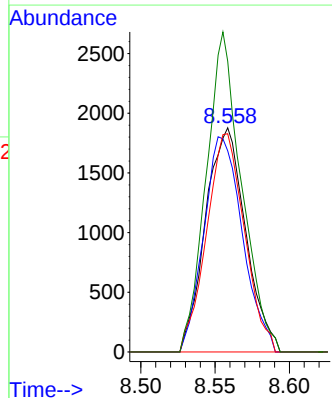
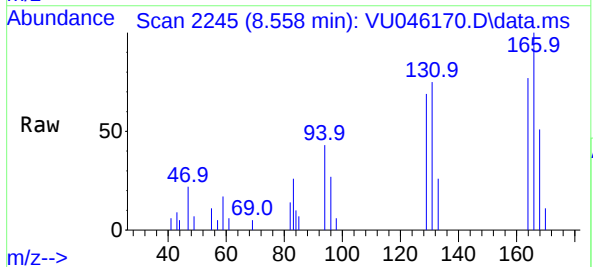
Manual Integrations
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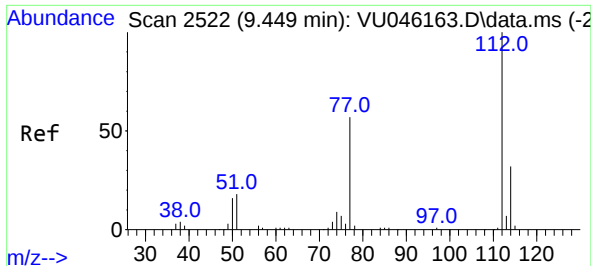
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#46
Tetrachloroethene
Concen: 2.564 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion:164 Resp: 3519
Ion Ratio Lower Upper
164 100
129 89.7 71.1 132.1
131 97.3 67.8 126.0
166 129.7 90.6 168.2





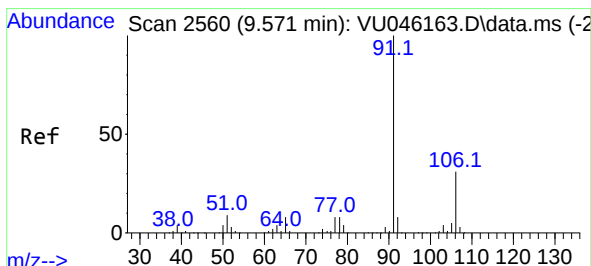
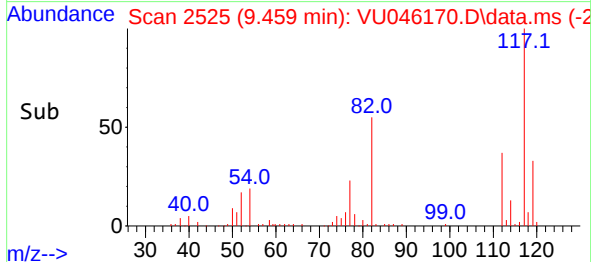
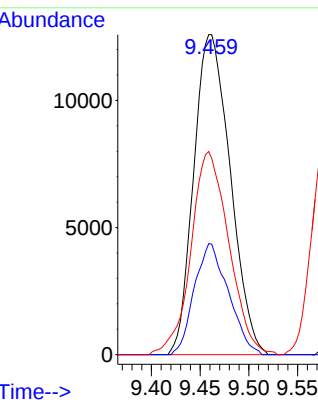
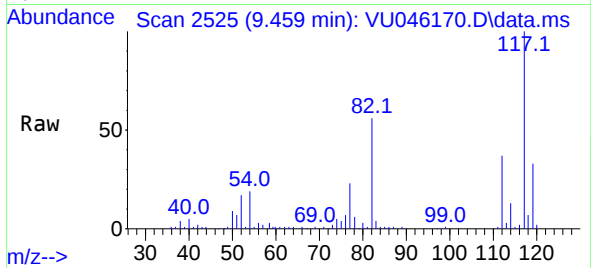
#51
Chlorobenzene
Concen: 6.673 ug/L
RT: 9.459 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion:112 Resp: 32839
Ion Ratio Lower Upper
112 100
114 34.7 22.2 41.2
77 63.5 47.4 71.0

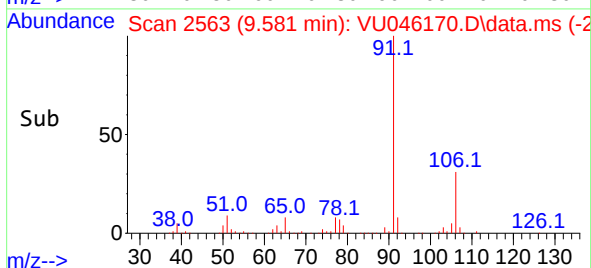
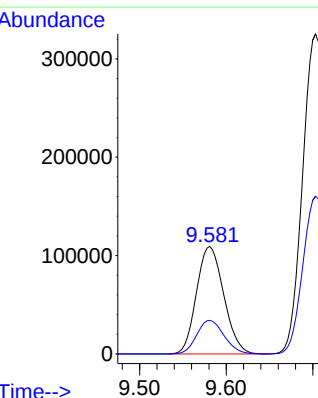
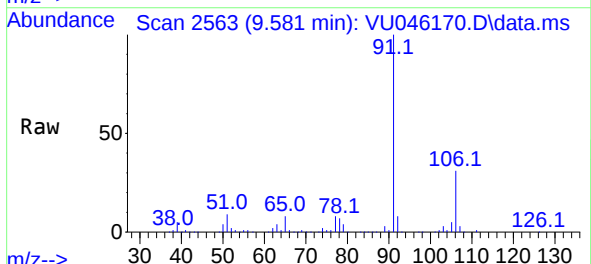
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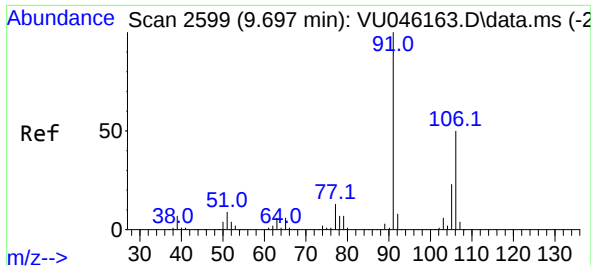
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#52
Ethylbenzene
Concen: 29.222 ug/L
RT: 9.581 min Scan# 2563
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion: 91 Resp: 239225
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3





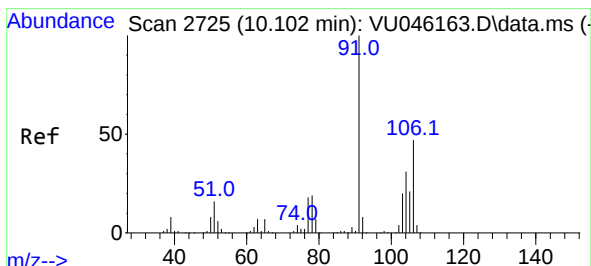
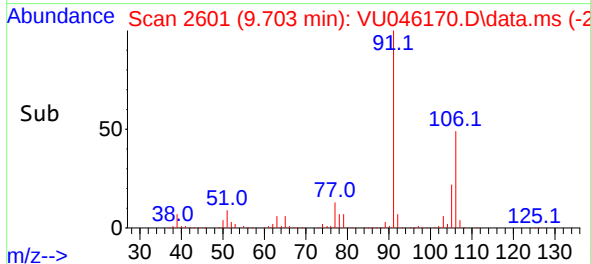
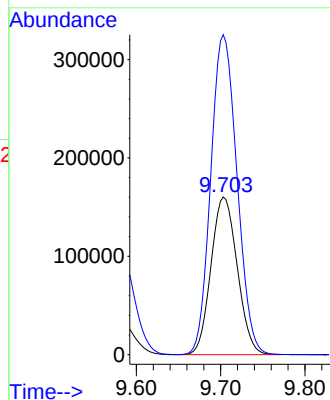
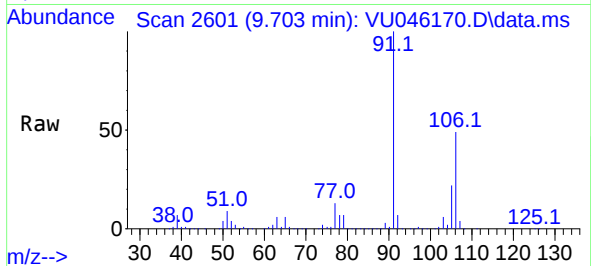
#53
m,p-Xylene
Concen: 108.591 ug/L
RT: 9.703 min Scan# 2599
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion:106 Resp: 34668
Ion Ratio Lower Upper
106 100
91 202.8 144.3 268.1

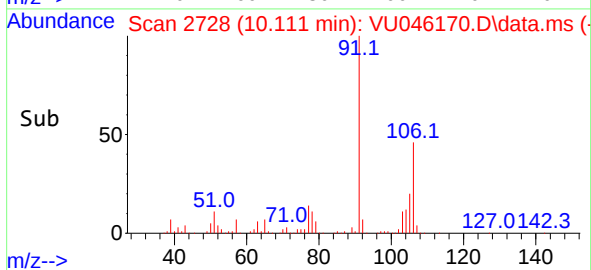
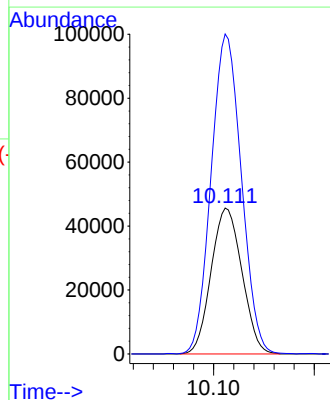
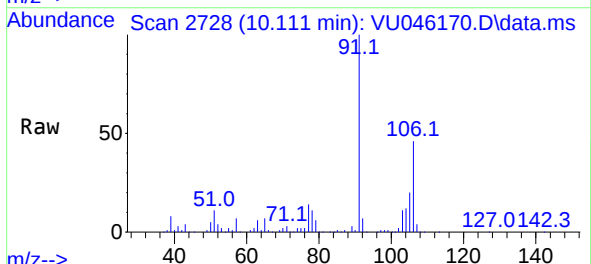
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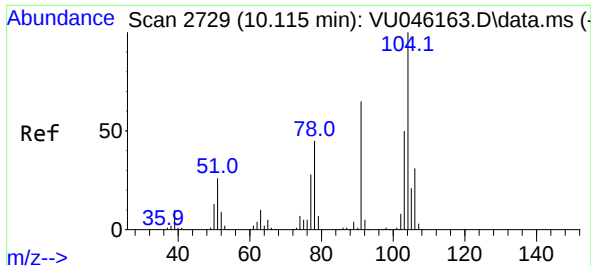
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#54
o-xylene
Concen: 31.342 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion:106 Resp: 97094
Ion Ratio Lower Upper
106 100
91 219.4 154.2 286.4





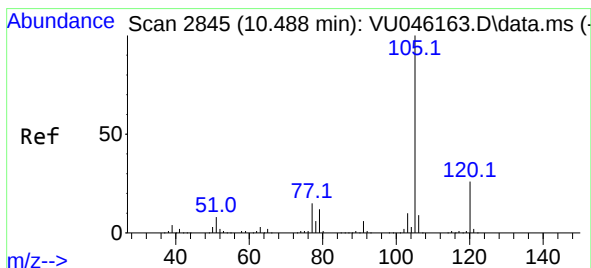
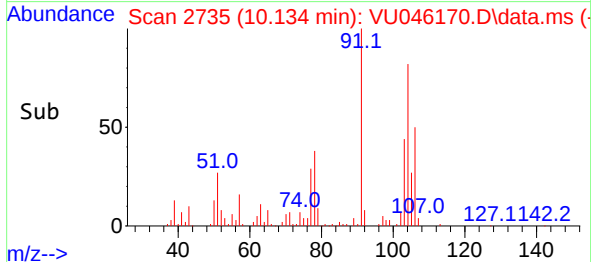
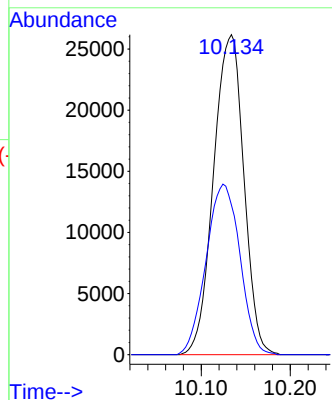
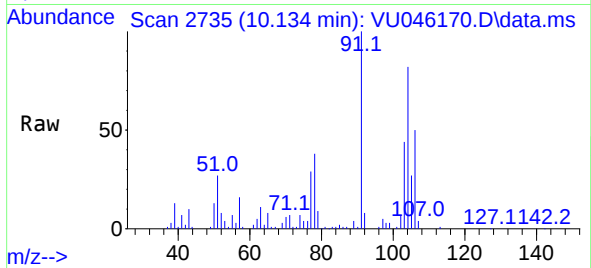
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Styrene
Concen: 11.698 ug/L
RT: 10.134 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion:104 Resp: 61869
Ion Ratio Lower Upper
104 100
78 46.8 32.6 60.5

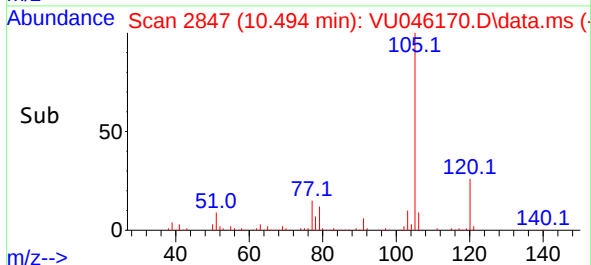
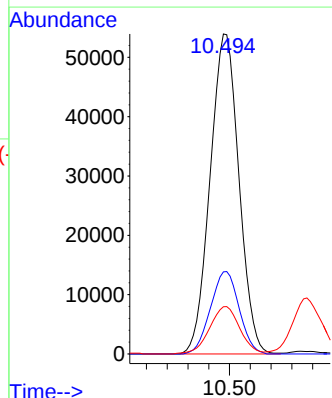
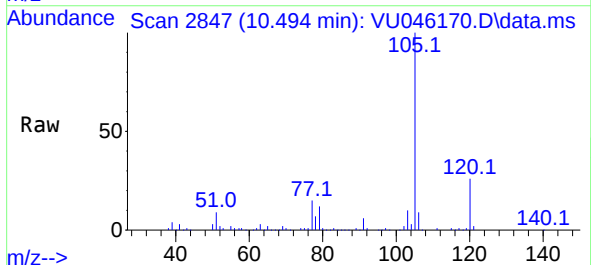
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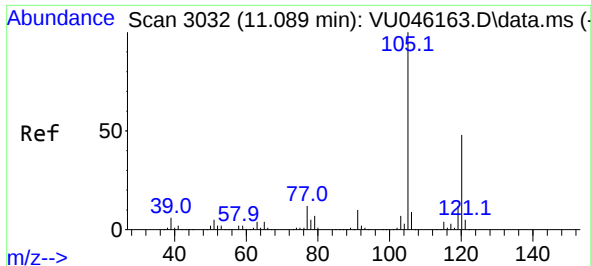
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#61
Isopropylbenzene
Concen: 13.382 ug/L
RT: 10.494 min Scan# 2847
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion:105 Resp: 103809
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 15.5 12.2 18.4





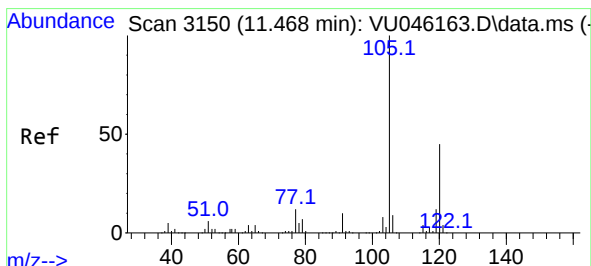
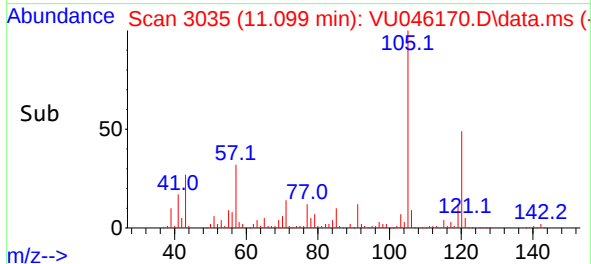
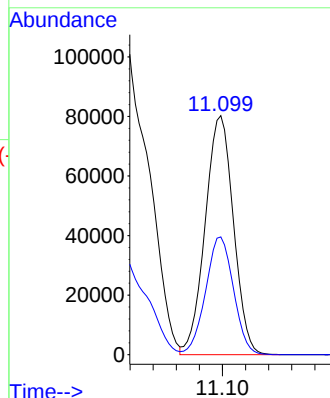
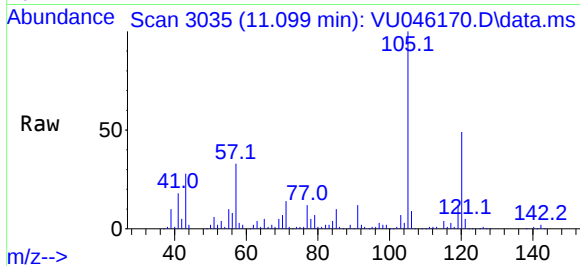
#62
1,3,5-Trimethylbenzene
Concen: 21.142 ug/L
RT: 11.099 min Scan# 3032
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion:105 Resp: 136700
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6

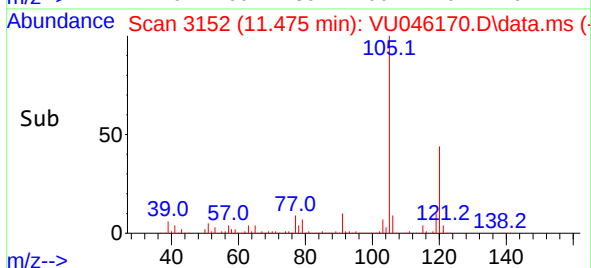
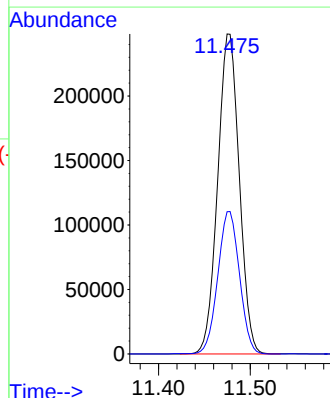
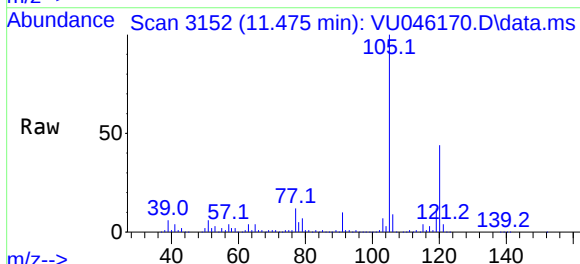
Manual Integrations
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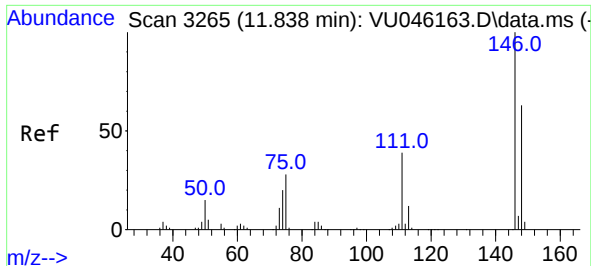
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#63
1,2,4-Trimethylbenzene
Concen: 62.652 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Tgt Ion:105 Resp: 405309
Ion Ratio Lower Upper
105 100
120 44.7 35.2 52.8





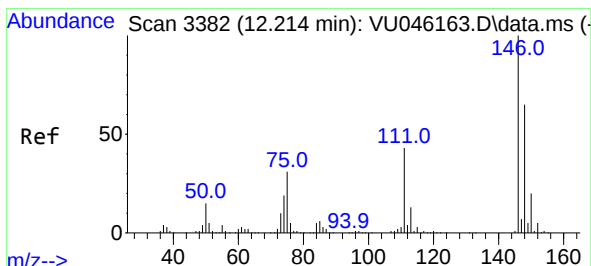
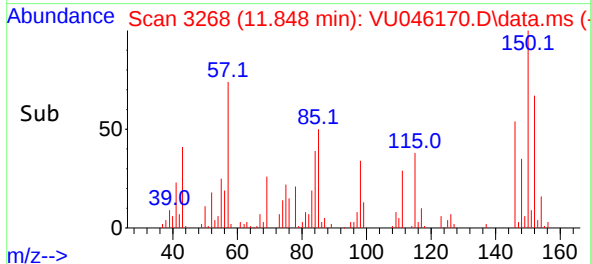
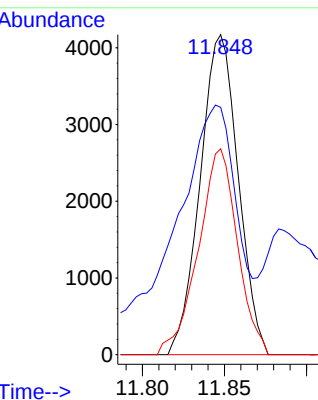
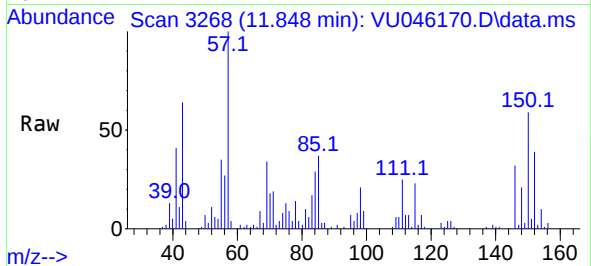
#65
1,4-Dichlorobenzene
Concen: 1.766 ug/L
RT: 11.848 min Scan# 3268
Delta R.T. 0.010 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

Instrument :
MSVOA_U
ClientSampleId :
BGKR9

Tgt Ion:146 Resp: 672
Ion Ratio Lower Upper
146 100
111 77.3 28.3 52.7
148 64.4 43.8 81.3

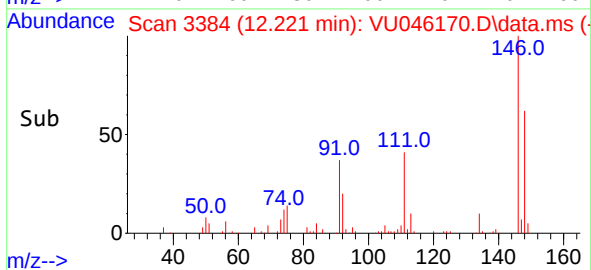
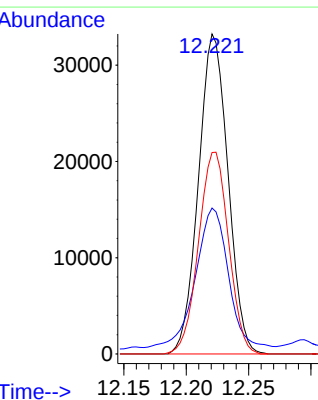
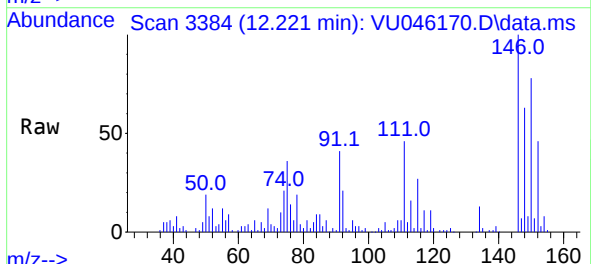
Manual Integrations
APPROVED

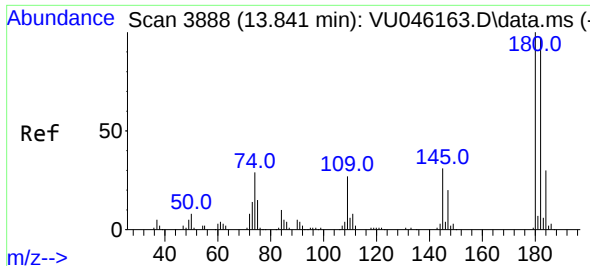
Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#67
1,2-Dichlorobenzene
Concen: 14.761 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.006 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

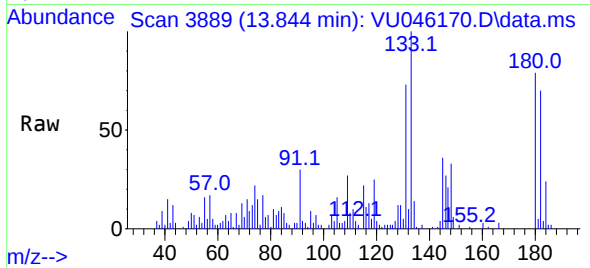
Tgt Ion:146 Resp: 54776
Ion Ratio Lower Upper
146 100
111 45.6 35.7 53.5
148 63.0 51.2 76.8





#70
1,2,4-trichlorobenzene
Concen: 4.895 ug/L
RT: 13.844 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00

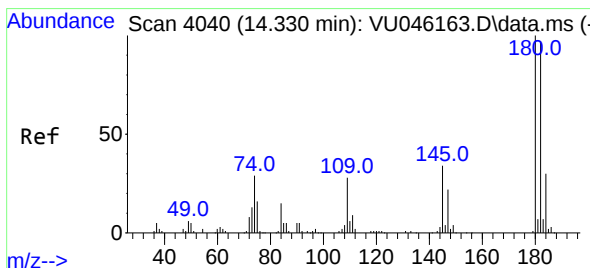
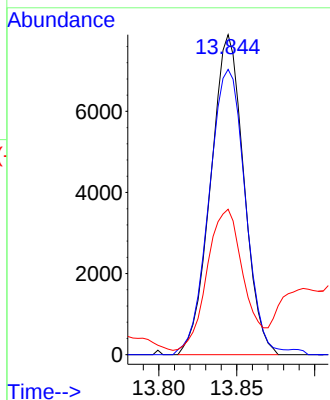
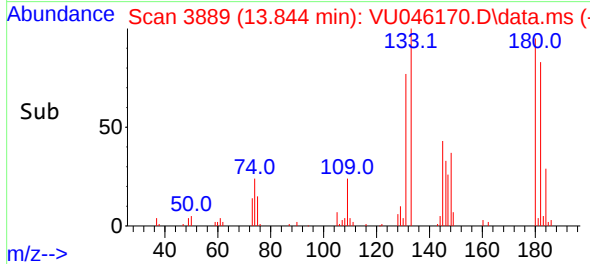
Instrument :
MSVOA_U
ClientSampleId :
BGKR9



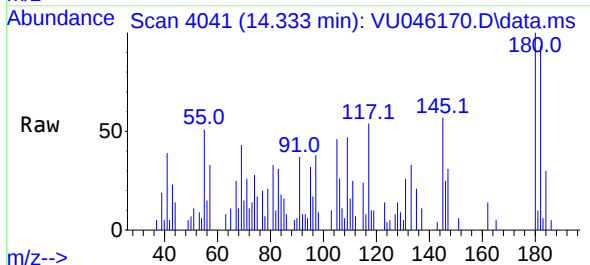
Tgt Ion:180 Resp: 1166
Ion Ratio Lower Upper
180 100
182 97.2 76.7 115.1
145 47.9 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/09/2021
Supervised By :Mahesh Dadoda 12/09/2021



#72
1,2,3-Trichlorobenzene
Concen: 1.676 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU046170.D
Acq: 08 Dec 2021 13:00



Tgt Ion:180 Resp: 4071
Ion Ratio Lower Upper
180 100
182 93.2 76.0 114.0
145 113.6 27.3 40.9#

