

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
 Data File : VU047993.D
 Acq On : 13 Apr 2022 11:15
 Operator : SY/MD
 Sample : N2358-03
 Misc : 7.15g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNS3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 03:06:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 14 02:49:33 2022
 Response via : Initial Calibration

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

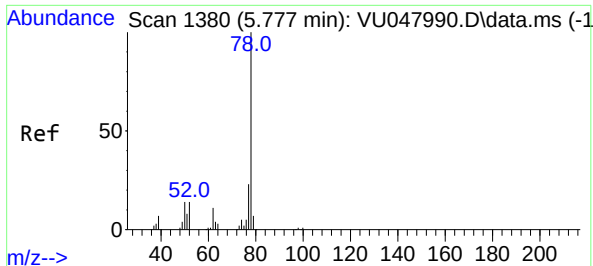
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	292688	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	296437	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	154732	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	61016	28.748	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	57.500%#		
7) Chloroethane-d5	1.903	69	67577m	40.379	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.760%		
11) 1,1-Dichloroethene-d2	2.565	63	80072	20.620	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	41.240%#		
21) 2-Butanone-d5	4.620	46	208105	114.233	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.230%		
24) Chloroform-d	5.063	84	171972	44.282	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.560%		
26) 1,2-Dichloroethane-d4	5.703	65	120736	50.690	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.380%		
32) Benzene-d6	5.729	84	316601	42.444	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.880%		
36) 1,2-Dichloropropane-d6	6.690	67	117309	51.209	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.420%		
41) Toluene-d8	7.899	98	251036	34.543	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	69.080%#		
43) trans-1,3-Dichloroprop...	8.179	79	45725	39.399	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.800%		
47) 2-Hexanone-d5	8.632	63	161448	120.391	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	120.390%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	222551	56.609	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	113.220%		
66) 1,2-Dichlorobenzene-d4	12.192	152	126418	45.923	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.840%		
Target Compounds					Qvalue	
33) Benzene	5.774	78	488762	56.962	ug/L	100
42) Toluene	7.970	91	108788	11.555	ug/L	98
51) Chlorobenzene	9.446	112	297188	46.490	ug/L	99
59) Bromoform	10.291	173	4651	2.351	ug/L #	97
65) 1,4-Dichlorobenzene	11.835	146	11014	2.288	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	35017	7.529	ug/L	98

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

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Chromatogram plot showing Abundance vs Time (min). The y-axis ranges from 0 to 6,500,000. The x-axis ranges from 0 to 17.00 minutes. Numerous peaks are labeled with chemical names and their corresponding retention times.

Retention Time (min)	Chemical Name
1.1	Vinyl Chloride-d3, S
1.5	Chloroethane-d5, S
2.5	1,1-Dichloroethene-d2, S
4.1	2-Butanone-d5, S
4.8	Chloroform-d, S
5.8	1,2-Dichloroethane-d4, S
6.1	1,2-Dichloroethane-d2, S
6.2	1,2-Dichloroethane-d1, S
6.4	1,4-Difluorobenzene, I
6.6	1,2-Dichloropropane-d6, S
7.7	Toluene-d8, S
8.1	trans-1,3-Dichloropropene-d4, S
8.5	2-Hexanone-d5, S
9.5	Chlorobenzene-d5, I
10.2	Bromoform, T
10.8	1,1,1,2-Tetrachloroethane-d2, S
11.8	1,4-Dichlorobenzene-d4, I
12.1	1,4-Dichlorobenzene-d2, S
12.2	1,2-Dichlorobenzene-d4, S
13.2	1,2-Dichlorobenzene-d2, S
13.4	1,2-Dichlorobenzene-d1, S
14.4	1,2-Dichlorobenzene-d2, S
15.4	1,2-Dichlorobenzene-d1, S
15.8	1,2-Dichlorobenzene-d2, S
16.1	1,2-Dichlorobenzene-d1, S
16.4	1,2-Dichlorobenzene-d2, S



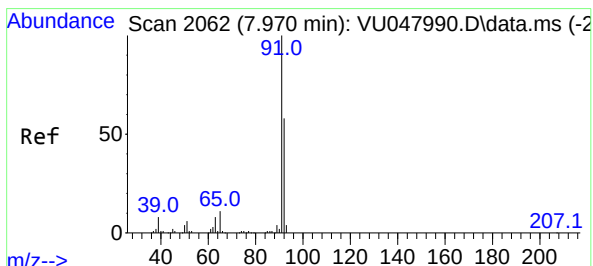
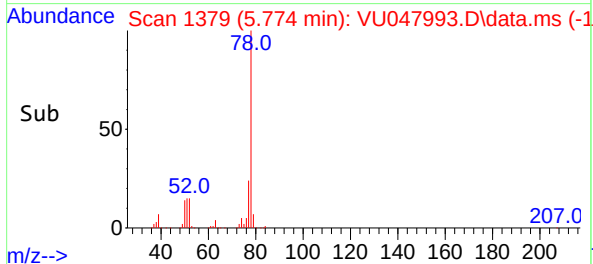
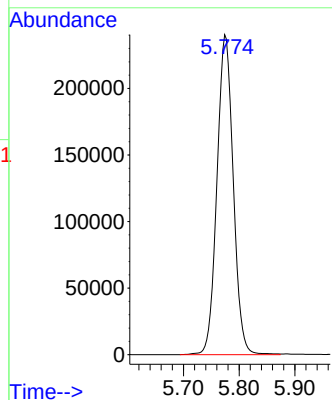
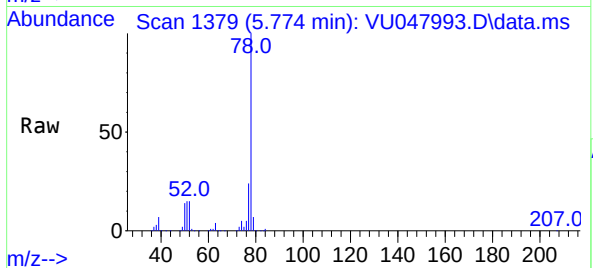
#33
Benzene
Concen: 56.962 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15

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ETNS3

Tgt Ion: 78 Resp: 488762

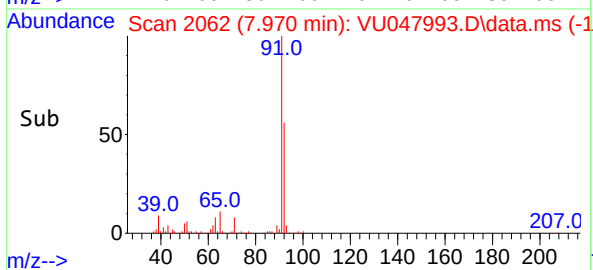
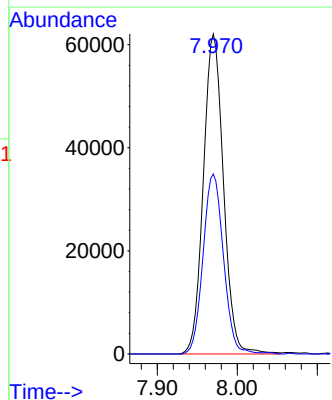
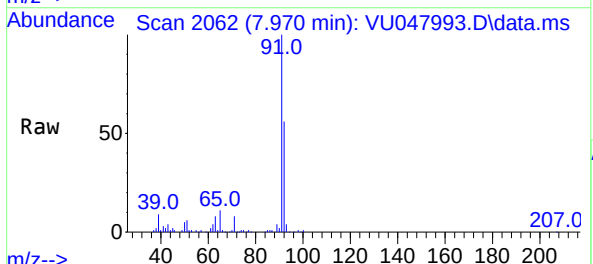
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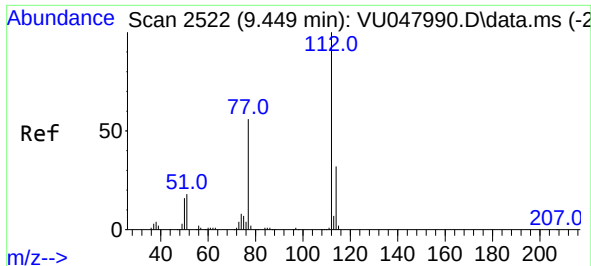
Reviewed By :John Carlone 04/14/2022
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#42
Toluene
Concen: 11.555 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15

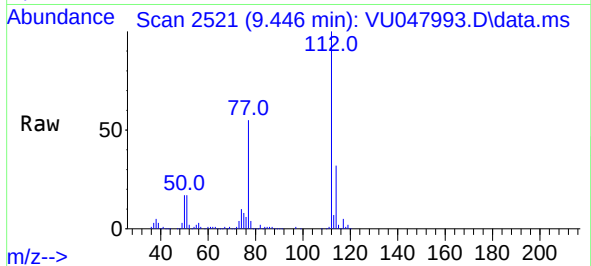
Tgt Ion: 91 Resp: 108788
Ion Ratio Lower Upper
91 100
92 56.3 40.4 75.0





#51
Chlorobenzene
Concen: 46.490 ug/L
RT: 9.446 min Scan# 2522
Delta R.T. -0.003 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15

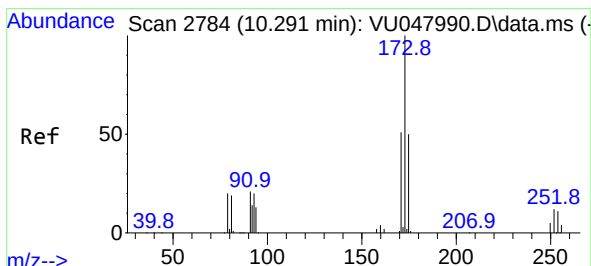
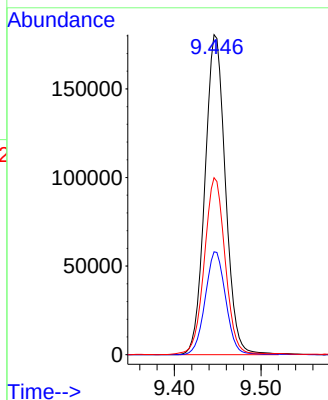
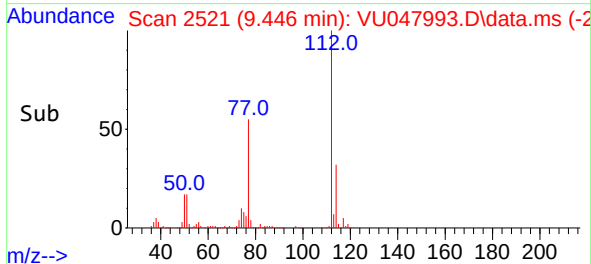
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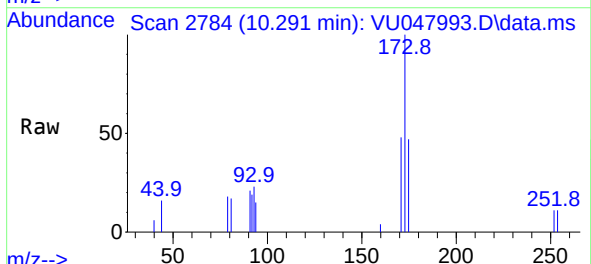
Tgt Ion:112 Resp: 297188
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 55.3 43.4 65.0

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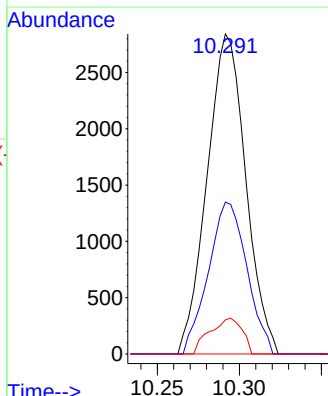
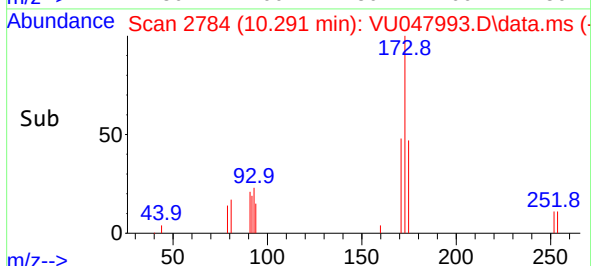
Reviewed By :John Carlone 04/14/2022
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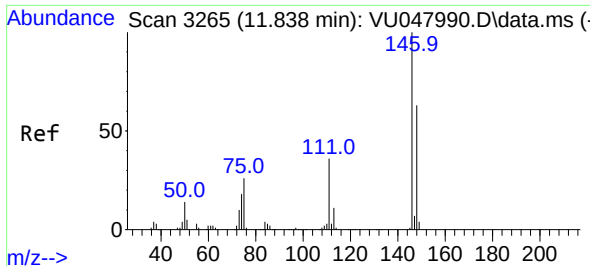


#59
Bromoform
Concen: 2.351 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15



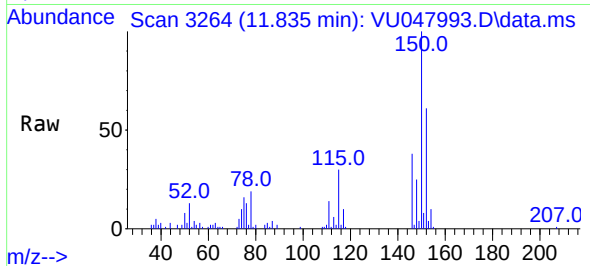
Tgt Ion:173 Resp: 4651
Ion Ratio Lower Upper
173 100
175 47.2 38.7 58.1
254 9.4 9.6 14.4#





#65
1,4-Dichlorobenzene
Concen: 2.288 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15

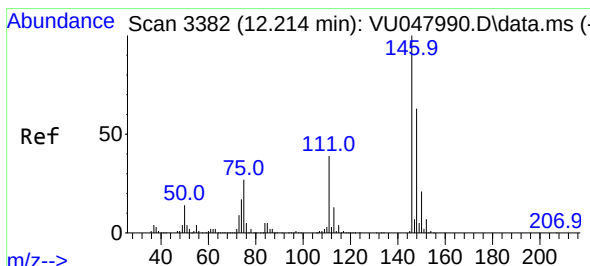
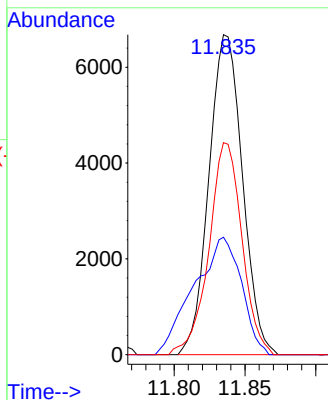
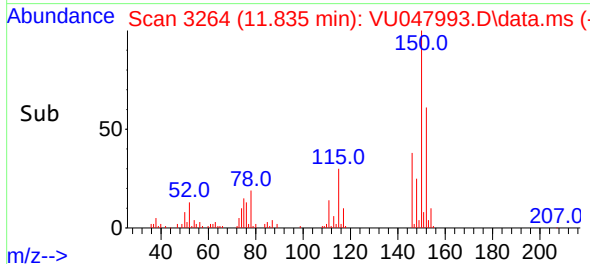
Instrument :
MSVOA_U
ClientSampleId :
ETNS3



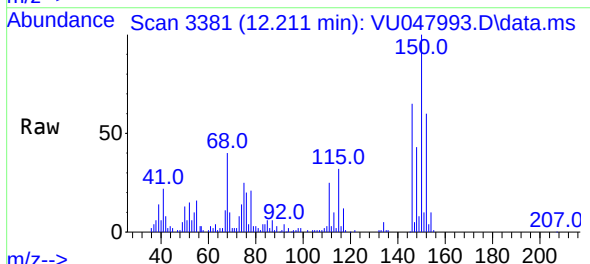
Tgt Ion:146 Resp: 11014
Ion Ratio Lower Upper
146 100
111 39.4 25.3 47.1
148 66.3 44.5 82.7

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#67
1,2-Dichlorobenzene
Concen: 7.529 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU047993.D
Acq: 13 Apr 2022 11:15



Tgt Ion:146 Resp: 35017
Ion Ratio Lower Upper
146 100
111 39.0 31.7 47.5
148 66.5 51.4 77.2

