

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047673.D
 Acq On : 25 Mar 2022 15:07
 Operator : SY/MD
 Sample : N2081-10DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X7DL

Quant Time: Mar 26 02:09:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

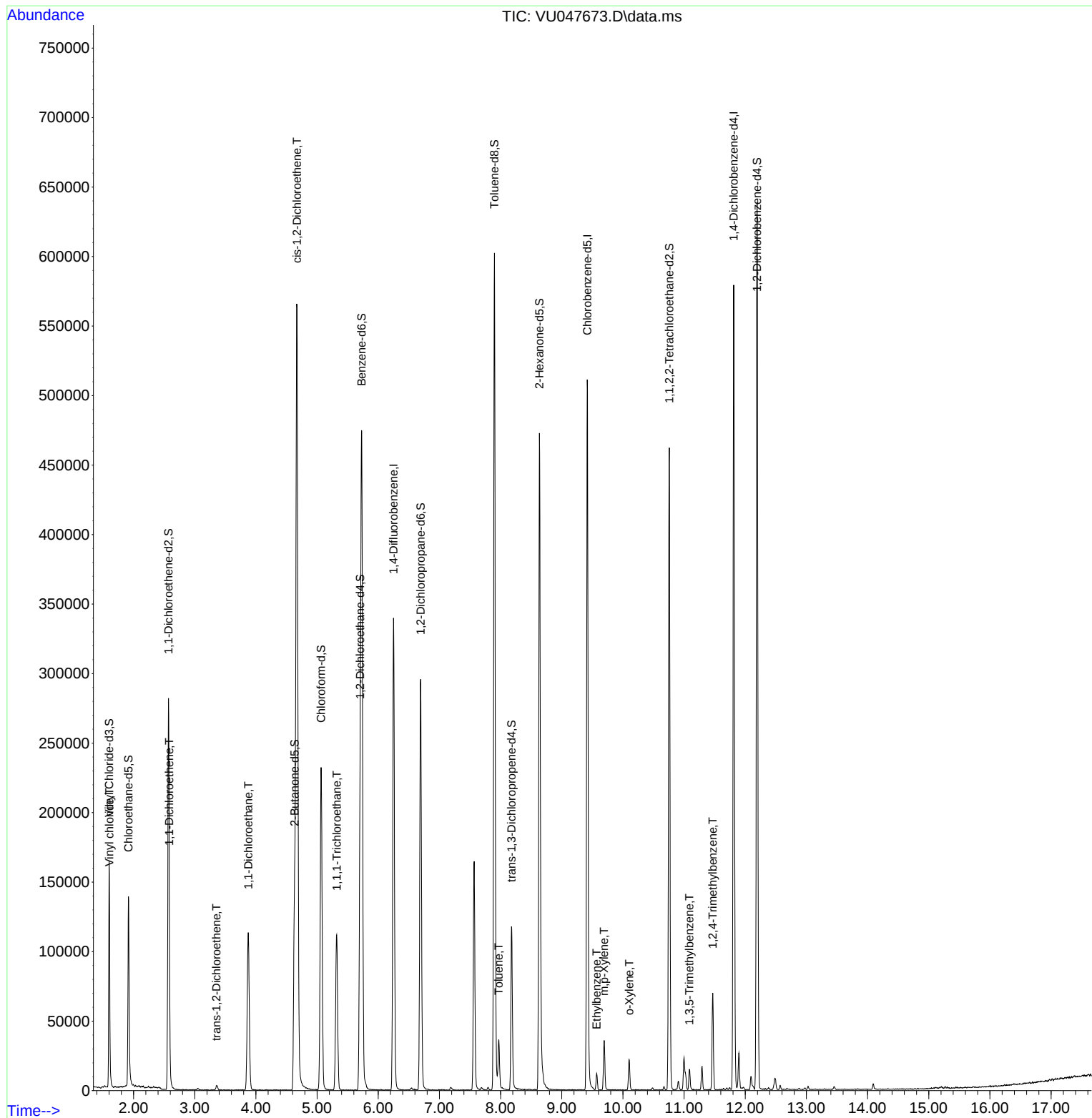
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	286945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	295852	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	160604	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	115762	55.633	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	111.260%	
7) Chloroethane-d5	1.915	69	102930	62.734	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	125.460%	
11) 1,1-Dichloroethene-d2	2.571	63	161823	42.506	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	85.020%	
21) 2-Butanone-d5	4.632	46	227429	127.339	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	127.340%	
24) Chloroform-d	5.066	84	214063	56.223	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	112.440%	
26) 1,2-Dichloroethane-d4	5.703	65	140878	60.330	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	120.660%	
32) Benzene-d6	5.729	84	444651	59.729	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	119.460%	
36) 1,2-Dichloropropane-d6	6.693	67	141660	61.961	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	123.920%#	
41) Toluene-d8	7.899	98	410836	56.643	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	113.280%	
43) trans-1,3-Dichloroprop...	8.179	79	66525	57.435	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	114.860%	
47) 2-Hexanone-d5	8.635	63	168329	125.771	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	125.770%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	221450	56.440	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	112.880%	
66) 1,2-Dichlorobenzene-d4	12.195	152	174896	61.210	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	122.420%#	
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3553	1.369	ug/L #	47
12) 1,1-Dichloroethene	2.584	96	4618	2.346	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	1735	0.817	ug/L	96
19) 1,1-Dichloroethane	3.877	63	128374	35.061	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	296122	127.228	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	81223	24.212	ug/L	99
42) Toluene	7.970	91	23749	2.528	ug/L	97
52) Ethylbenzene	9.571	91	8911	0.902	ug/L	97
53) m,p-Xylene	9.693	106	10399	2.682	ug/L	82
54) o-Xylene	10.102	106	6264	1.646	ug/L	92
62) 1,3,5-Trimethylbenzene	11.086	105	8652	1.837	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	37594	5.255	ug/L	99

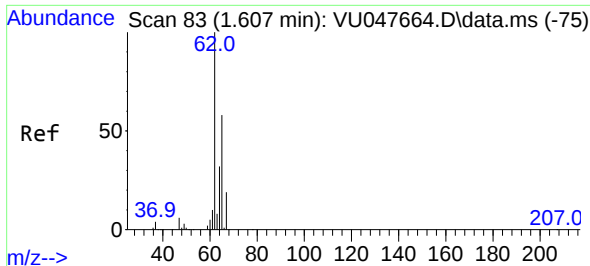
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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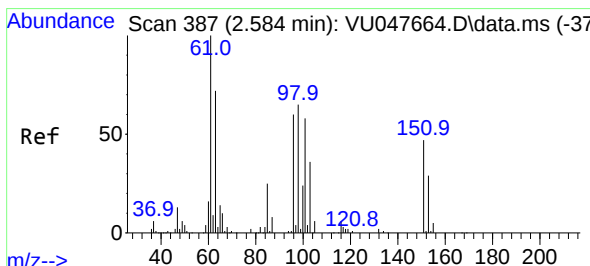
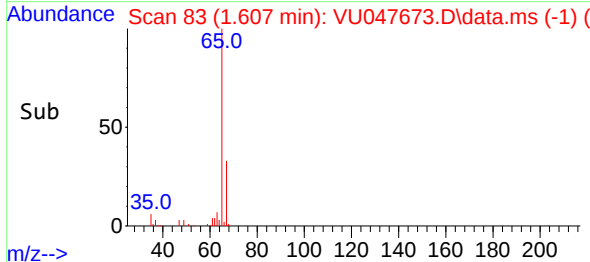
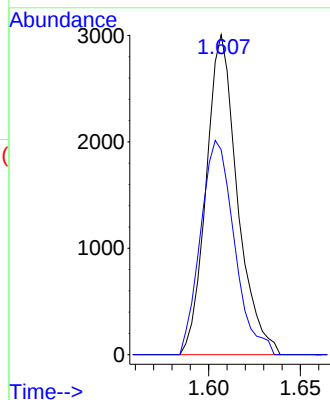
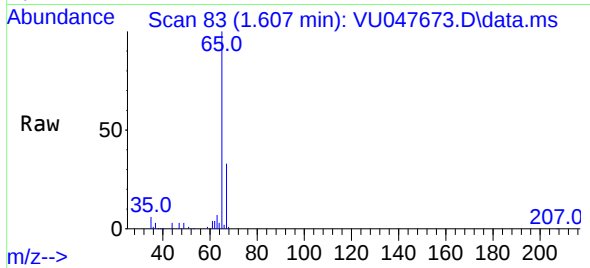




#5
 Vinyl chloride
 Concen: 1.369 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047673.D
 Acq: 25 Mar 2022 15:07

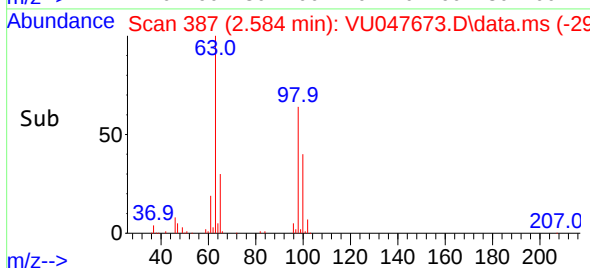
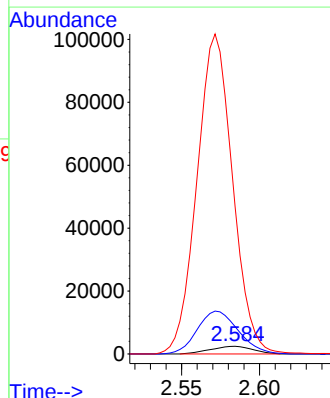
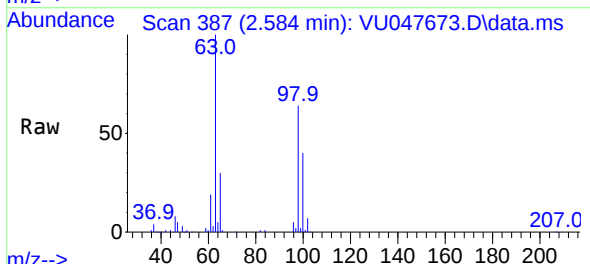
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X7DL

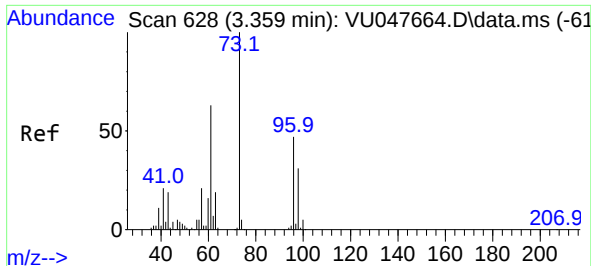
Tgt Ion: 62 Resp: 3553
 Ion Ratio Lower Upper
 62 100
 64 64.1 23.7 43.9#



#12
 1,1-Dichloroethene
 Concen: 2.346 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047673.D
 Acq: 25 Mar 2022 15:07

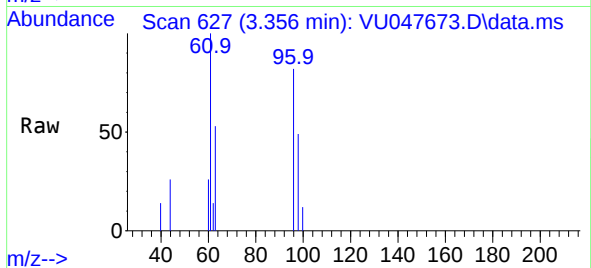
Tgt Ion: 96 Resp: 4618
 Ion Ratio Lower Upper
 96 100
 61 357.7 113.1 210.1#
 63 1932.7 94.8 176.0#



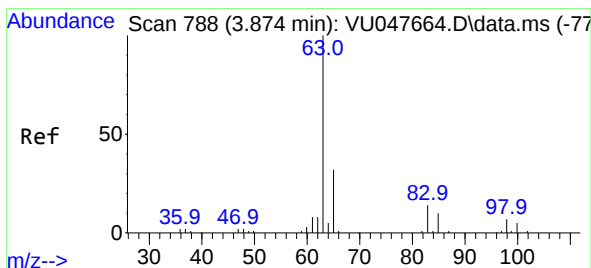
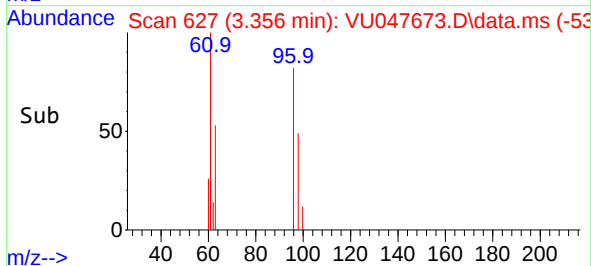
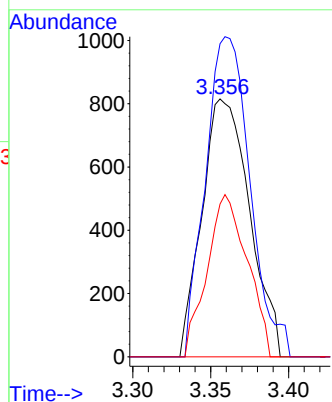


#17
trans-1,2-Dichloroethene
Concen: 0.817 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Instrument :
MSVOA_U
ClientSampleId :
EW5X7DL

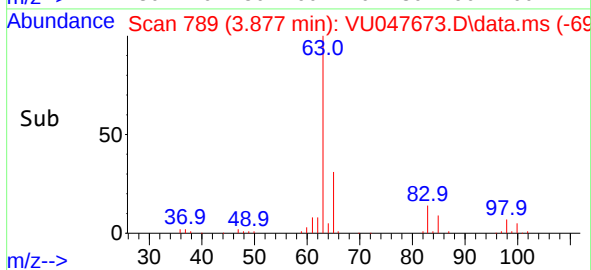
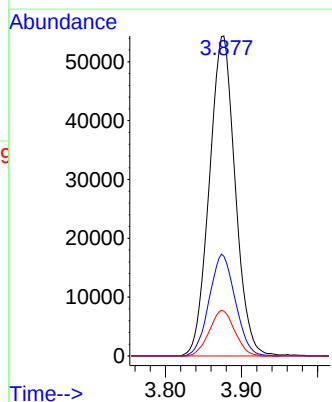
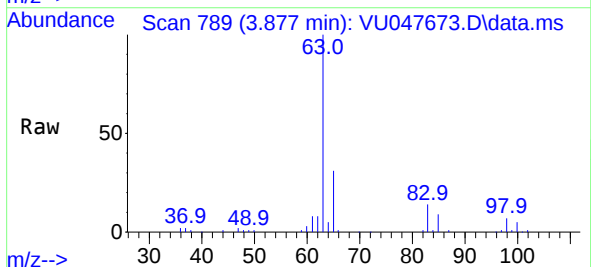


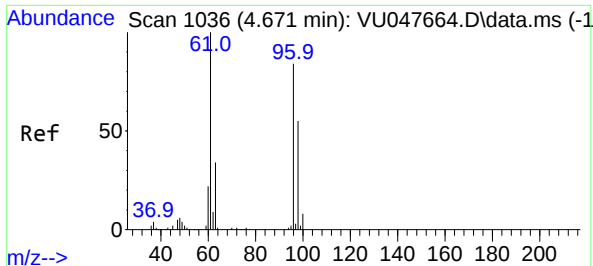
Tgt Ion: 96 Resp: 1735
Ion Ratio Lower Upper
96 100
61 121.5 88.4 164.2
98 59.3 43.3 80.5



#19
1,1-Dichloroethane
Concen: 35.061 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 63 Resp: 128374
Ion Ratio Lower Upper
63 100
65 31.1 22.0 41.0
83 14.0 9.7 18.1

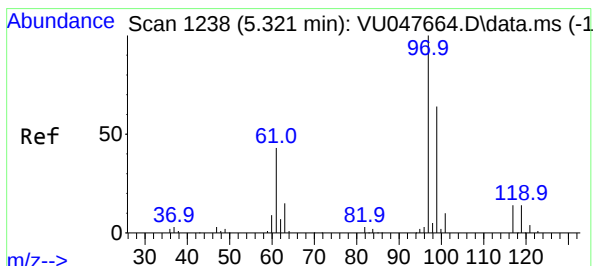
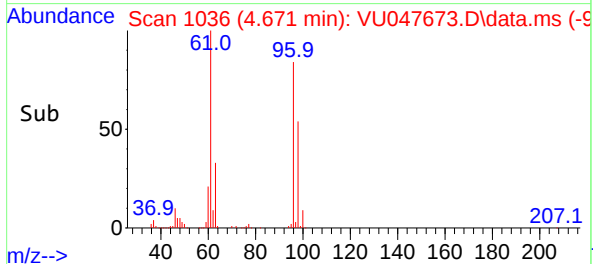
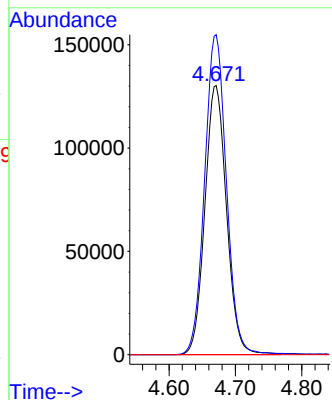
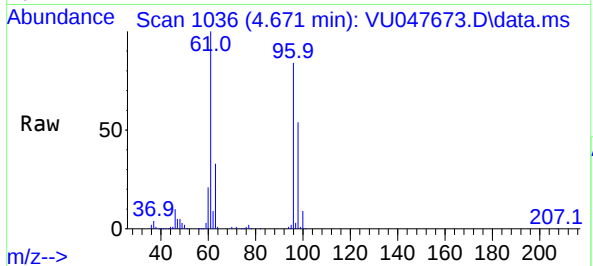




#20
cis-1,2-Dichloroethene
Concen: 127.228 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

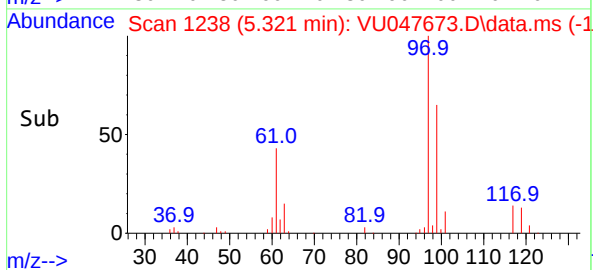
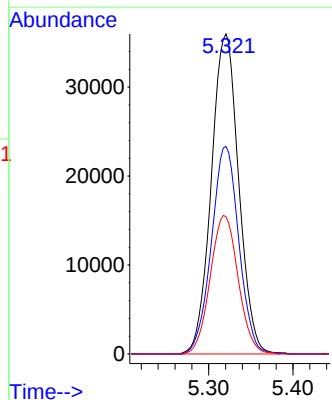
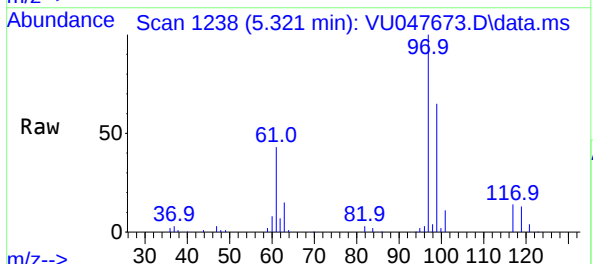
Instrument :
MSVOA_U
ClientSampleId :
EW5X7DL

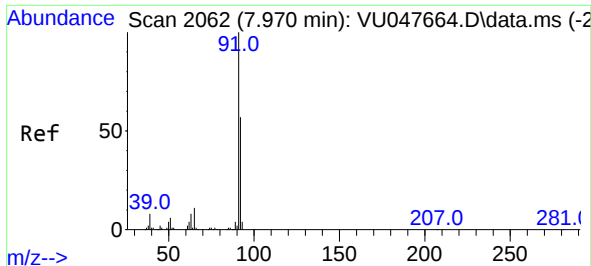
Tgt Ion: 96 Resp: 296122
Ion Ratio Lower Upper
96 100
61 118.9 80.7 149.9
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 24.212 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 97 Resp: 81223
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 44.1 34.2 51.4

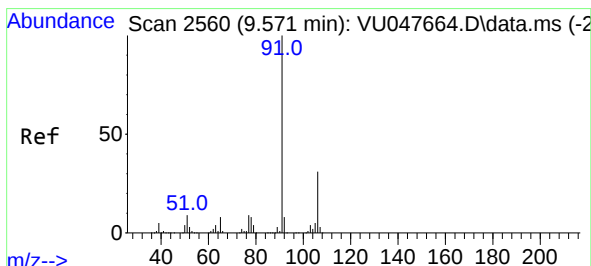
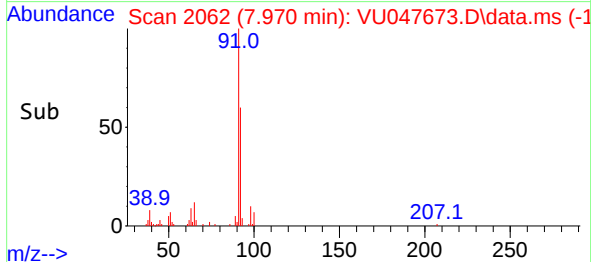
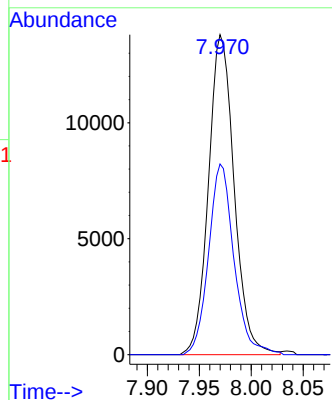
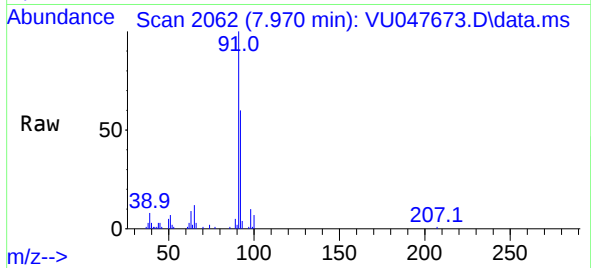




#42
Toluene
Concen: 2.528 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

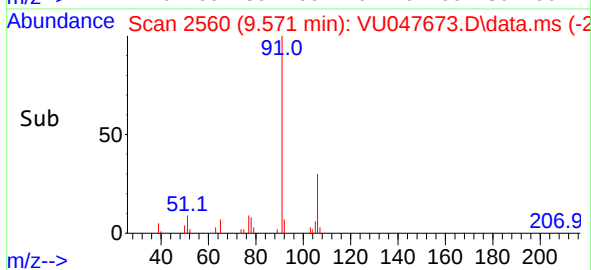
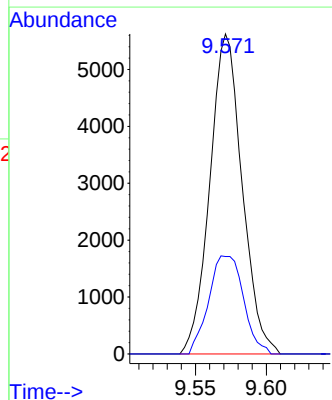
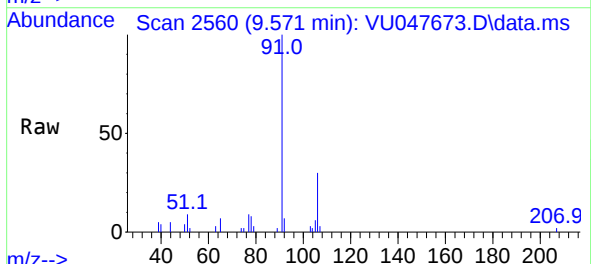
Instrument :
MSVOA_U
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EW5X7DL

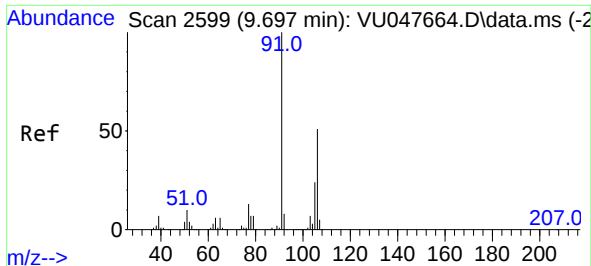
Tgt Ion: 91 Resp: 23749
Ion Ratio Lower Upper
91 100
92 59.6 40.4 75.0



#52
Ethylbenzene
Concen: 0.902 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion: 91 Resp: 8911
Ion Ratio Lower Upper
91 100
106 30.5 22.4 41.6

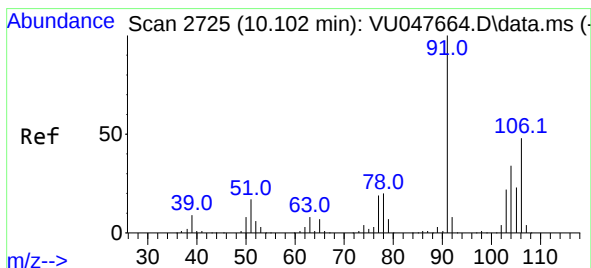
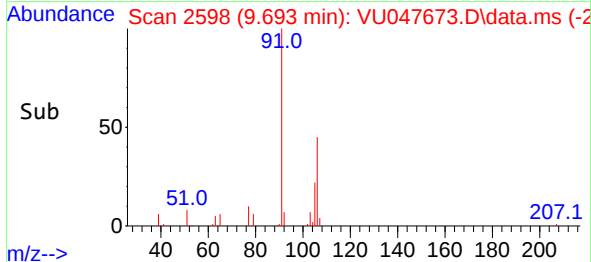
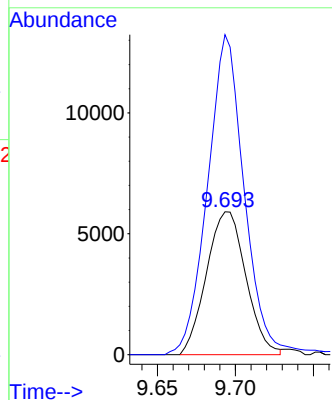
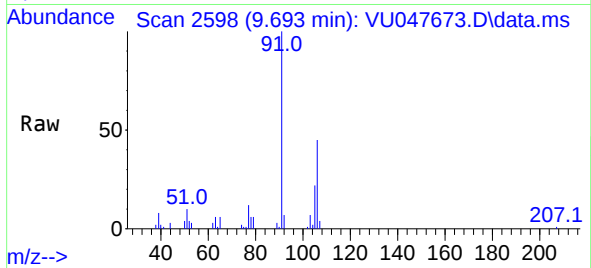




#53
m,p-Xylene
Concen: 2.682 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

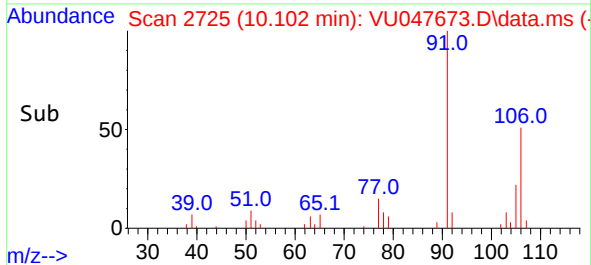
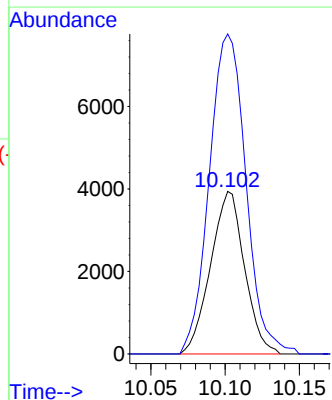
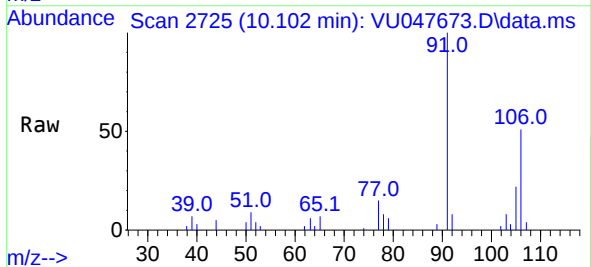
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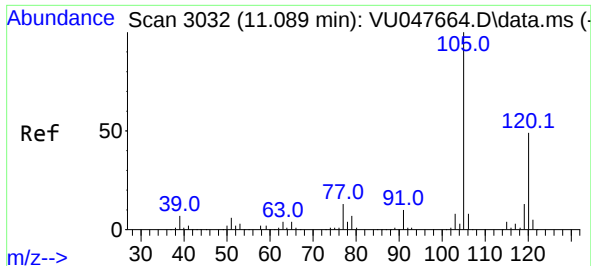
Tgt Ion:106 Resp: 10399
Ion Ratio Lower Upper
106 100
91 224.0 137.7 255.7



#54
o-Xylene
Concen: 1.646 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047673.D
Acq: 25 Mar 2022 15:07

Tgt Ion:106 Resp: 6264
Ion Ratio Lower Upper
106 100
91 196.9 146.7 272.5





#62

1,3,5-Trimethylbenzene

Concen: 1.837 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

Instrument :

MSVOA_U

ClientSampleId :

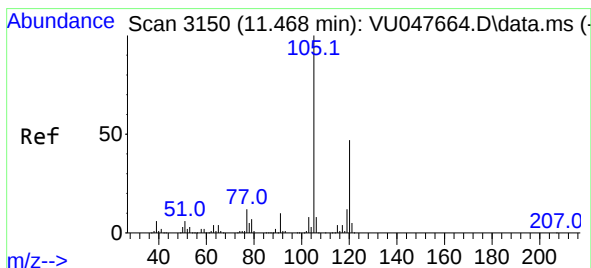
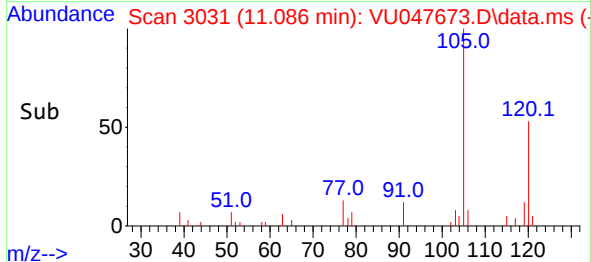
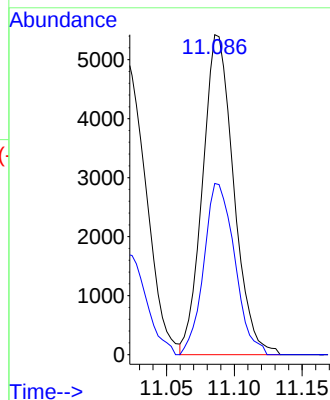
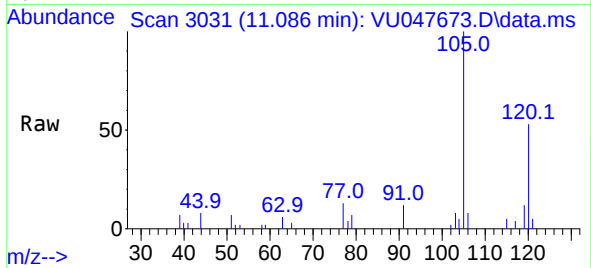
EW5X7DL

Tgt Ion:105 Resp: 8652

Ion Ratio Lower Upper

105 100

120 53.0 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 5.255 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047673.D

Acq: 25 Mar 2022 15:07

Tgt Ion:105 Resp: 37594

Ion Ratio Lower Upper

105 100

120 47.4 37.6 56.4

